

<110> INCYTE CORPORATION; Jiang, Xin;
 Becha, Shanya D.; BULLOCH, Sean A.;
 CHANG; Hsin-Ru; CHAWLA, Narinder K.;
 ELLIOTT, Vicki S.; EMERLING, Brooke M.;
 GIETZEN, Kimberly J.; HAFALIA, April J.A.;
 JACKSON, Alan A.; KABLE, Amy E.;
 KHARE, Reena; LEE, Soo Yeun;
 MARQUIS, Joseph P.; MURAGE, Jaji;
 SWARNAKAR, Anita; YANG, Yonghong G.

<120> LIPID-ASSOCIATED MOLECULES

<130> PF-1618 PCT

<140> To Be Assigned

<141> Herewith

<150> US 60/426,105

<151> 2002-11-13

<150> US 60/433,215

<151> 2002-12-12

<150> US 60/453,127

<151> 2003-03-07

<150> US 60/454,801

<151> 2003-03-13

<150> US 60/465,619

<151> 2003-04-24

<150> US 60/465,495

<151> 2003-04-24

<150> US 60/491,800

<151> 2003-08-01

<160> 42

<170> PERL Program

<210> 1

<211> 114

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7511098CD1

<400> 1

Met	Lys	Gly	Trp	Gly	Trp	Leu	Ala	Leu	Leu	Leu	Gly	Ala	Leu	Leu
1				5					10					15
Gly	Thr	Ala	Trp	Ala	Arg	Arg	Ser	Gln	Asp	Leu	His	Cys	Gly	Ala
				20					25					30
Cys	Arg	Ala	Leu	Val	Asp	Glu	Leu	Glu	Trp	Glu	Ile	Ala	Gln	Val
				35					40					45
Asp	Pro	Lys	Lys	Thr	Ile	Gln	Met	Gly	Ser	Phe	Arg	Ile	Asn	Pro
				50					55					60
Asp	Gly	Ser	Gln	Ser	Val	Val	Glu	Cys	Glu	Ser	Ile	Val	Glu	Glu
				65					70					75
Tyr	Glu	Asp	Glu	Leu	Ile	Glu	Phe	Phe	Ser	Arg	Glu	Ala	Asp	Asn
				80					85					90

Val	Lys	Asp	Lys	Leu	Cys	Ser	Lys	Arg	Thr	Asp	Leu	Cys	Asp	His
				95					100					105
Ala	Leu	His	Ile	Ser	His	Asp	Glu	Leu						
				110										

<210> 2
 <211> 87
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522037CD1

Met	Gly	Thr	Arg	Leu	Leu	Pro	Ala	Leu	Phe	Leu	Val	Leu	Leu	Val
1				5					10					15
Leu	Gly	Phe	Glu	Val	Gln	Gly	Thr	Gln	Gln	Pro	Gln	Gln	Asp	Glu
				20					25					30
Met	Pro	Ser	Pro	Thr	Phe	Leu	Thr	Gln	Val	Lys	Glu	Ser	Leu	Ser
				35					40					45
Ser	Tyr	Trp	Glu	Ser	Ala	Lys	Thr	Ala	Ala	Gln	Asn	Leu	Asp	Leu
				50					55					60
Tyr	Ser	Lys	Ser	Thr	Ala	Ala	Met	Ser	Thr	Tyr	Thr	Gly	Ile	Phe
				65					70					75
Thr	Asp	Gln	Val	Leu	Ser	Val	Leu	Lys	Gly	Glu	Glu			
				80					85					

<210> 3
 <211> 248
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7524271CD1

Met	Ala	Glu	Ser	His	Leu	Leu	Gln	Trp	Leu	Leu	Leu	Leu	Leu	Pro
1				5					10					15
Thr	Leu	Cys	Gly	Pro	Gly	Thr	Ala	Ala	Trp	Thr	Thr	Ser	Ser	Leu
				20					25					30
Ala	Cys	Ala	Gln	Gly	Pro	Glu	Phe	Trp	Cys	Gln	Ser	Leu	Glu	Gln
				35					40					45
Ala	Leu	Gln	Cys	Arg	Ala	Leu	Gly	His	Cys	Leu	Gln	Glu	Val	Trp
				50					55					60
Gly	His	Val	Gly	Ala	Asp	Leu	Ser	Glu	Gln	Gln	Phe	Pro	Ile	Pro
				65					70					75
Leu	Pro	Tyr	Cys	Trp	Leu	Cys	Arg	Ala	Leu	Ile	Lys	Arg	Ile	Gln
				80					85					90
Ala	Met	Ile	Pro	Lys	Gly	Ala	Leu	Ala	Val	Ala	Val	Ala	Gln	Val
				95					100					105
Cys	Arg	Val	Val	Pro	Leu	Val	Ala	Gly	Gly	Ile	Cys	Gln	Cys	Leu
				110					115					120
Ala	Glu	Arg	Tyr	Ser	Val	Ile	Leu	Leu	Asp	Thr	Leu	Leu	Gly	Arg
				125					130					135
Met	Leu	Pro	Gln	Leu	Val	Cys	Arg	Leu	Val	Leu	Arg	Cys	Ser	Met
				140					145					150
Asp	Asp	Ser	Ala	Gly	Pro	Arg	Glu	Trp	Leu	Pro	Arg	Asp	Ser	Glu
				155					160					165
Cys	His	Leu	Cys	Met	Ser	Val	Thr	Thr	Gln	Ala	Gly	Asn	Ser	Ser
				170					175					180
Glu	Gln	Ala	Ile	Pro	Gln	Ala	Met	Leu	Gln	Ala	Cys	Val	Gly	Ser

	185		190		195
Trp Leu Asp Arg	Glu Lys Cys Lys Gln	Phe Val Glu Gln His	Thr		
	200		205		210
Pro Gln Leu Leu	Thr Leu Val Pro Arg	Gly Trp Asp Ala His	Thr		
	215		220		225
Thr Cys Gln Ala	Leu Gly Val Cys Gly	Thr Met Ser Ser Pro	Leu		
	230		235		240
Gln Cys Ile His	Ser Pro Asp Leu				
	245				

<210> 4

<211> 906

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7513132CD1

<400> 4

Met Ala Gly Ala Ala	Ser Pro Cys Ala Asn	Gly Cys Gly Pro Gly	
1	5	10	15
Ala Pro Ser Asp Ala	Glu Val Leu His Leu	Cys Arg Ser Leu Glu	
	20	25	30
Val Gly Thr Val Met	Thr Leu Phe Tyr Ser	Lys Lys Ser Gln Arg	
	35	40	45
Pro Glu Arg Lys Thr	Phe Gln Val Lys Leu	Glu Thr Arg Gln Ile	
	50	55	60
Thr Trp Ser Arg Gly	Ala Asp Lys Ile Glu	Gly Ala Ile Asp Ile	
	65	70	75
Arg Glu Ile Lys Glu	Ile Arg Pro Gly Lys	Thr Ser Arg Asp Phe	
	80	85	90
Asp Arg Tyr Gln Glu	Asp Pro Ala Phe Arg	Pro Asp Gln Ser His	
	95	100	105
Cys Phe Val Ile Leu	Tyr Gly Met Glu Phe	Arg Leu Lys Thr Leu	
	110	115	120
Ser Leu Gln Ala Thr	Ser Glu Asp Glu Val	Asn Met Trp Ile Lys	
	125	130	135
Gly Leu Thr Trp Leu	Met Glu Asp Thr Leu	Gln Ala Pro Thr Pro	
	140	145	150
Leu Gln Ile Glu Arg	Trp Leu Arg Lys Gln	Phe Tyr Ser Val Asp	
	155	160	165
Arg Asn Arg Glu Asp	Arg Ile Ser Ala Lys	Asp Leu Lys Asn Met	
	170	175	180
Leu Ser Gln Val Asn	Tyr Arg Val Pro Asn	Met Arg Phe Leu Arg	
	185	190	195
Glu Arg Leu Thr Asp	Leu Glu Gln Arg Ser	Gly Asp Ile Thr Tyr	
	200	205	210
Gly Gln Phe Ala Gln	Leu Tyr Arg Ser Leu	Met Tyr Ser Ala Gln	
	215	220	225
Lys Thr Met Asp Leu	Pro Phe Leu Glu Ala	Ser Thr Leu Arg Ala	
	230	235	240
Gly Glu Arg Pro Glu	Leu Cys Arg Val Ser	Leu Pro Glu Phe Gln	
	245	250	255
Gln Phe Leu Leu Asp	Tyr Gln Gly Glu Leu	Trp Ala Val Asp Arg	
	260	265	270
Leu Gln Val Gln Glu	Phe Met Leu Ser Phe	Leu Arg Asp Pro Leu	
	275	280	285
Arg Glu Ile Glu Glu	Pro Tyr Phe Phe Leu	Asp Glu Phe Val Thr	
	290	295	300
Phe Leu Phe Ser Lys	Glu Asn Ser Val Trp	Asn Ser Gln Leu Asp	
	305	310	315
Ala Val Cys Pro Asp	Thr Met Asn Asn Pro	Leu Ser His Tyr Trp	

Ile Ser Ser Ser	320	Thr Gly Asp Gln Phe Ser	325	330
Ser Glu Ser Ser	335	Arg Cys Leu Arg Met Gly	340	345
Cys Arg Cys Ile	350	Asp Gly Pro Asp Gly Met	355	360
Pro Val Ile Tyr	365	Thr Thr Lys Ile Lys Phe	370	375
Ser Asp Val Leu	380	His Ala Phe Val Ala Ser	385	390
Glu Tyr Pro Val	395	Asp His Cys Ser Ile Ala	400	405
Gln Gln Arg Asn	410	Lys Lys Val Leu Gly Asp	415	420
Thr Leu Leu Thr	425	Ser Ala Asp Gly Leu Pro	430	435
Ser Pro Asn Gln	440	Leu Ile Lys His Lys Lys	445	450
Leu Ala Glu Gly	455	Val Pro Thr Ser Met Met	460	465
Tyr Ser Glu Asn	470	Ile Lys Asn Gly Ile Leu	475	480
Tyr Leu Glu Asp	485	Trp Tyr Pro His Tyr Phe	490	495
Val Leu Thr Ser	500	Ser Glu Glu Thr Ser Ser	505	510
Asp Gln Gly Asn	515	Pro Lys Glu Val Ser Ser	520	525
Ser Thr Glu Leu	530	Trp Phe His Gly Lys Leu	535	540
Gly Ala Gly Arg	545	Ala Glu Arg Leu Leu Thr	550	555
Glu Tyr Cys Ile	560	Asp Gly Ser Phe Leu Val	565	570
Arg Glu Ser Glu	575	Tyr Thr Leu Ser Phe Trp	580	585
Arg Asn Gly Lys	590	Ile His Ser Arg Gln Asp	595	600
Ala Gly Thr Pro	605	Asn Leu Val Phe Asp	610	615
Ser Leu Tyr Asp	620	Gln Gln Val Pro Leu Arg	625	630
Cys Asn Glu Phe	635	Glu Pro Val Pro Gln Thr	640	645
Asn Ala His Glu	650	His Ala Ser Leu Thr Arg	655	660
Ala Gln Ala Glu	665	Val Pro Arg Asp Gly Ala	670	675
Phe Leu Val Arg	680	Asn Ser Tyr Ala Ile Ser	685	690
Phe Arg Ala Glu	695	Cys Arg Val Gln Gln Glu	700	705
Gly Gln Thr Val	710	Glu Phe Asp Ser Leu Val	715	720
Asp Leu Ile Ser	725	Pro Leu Tyr Arg Lys Met	730	735
Lys Leu Arg Tyr	740	Ala Leu Glu Lys Ile Gly	745	750
Thr Ala Glu Pro	755	Tyr Glu Gly Arg Asn Pro	760	765
Gly Phe Tyr Val	770	Pro Thr Phe Lys Cys Ala	775	780
	785		790	795

Val	Lys	Ala	Leu	Phe	Asp	Tyr	Lys	Ala	Gln	Arg	Glu	Asp	Glu	Leu
				800					805					810
Thr	Phe	Ile	Lys	Ser	Ala	Ile	Ile	Gln	Asn	Val	Glu	Lys	Gln	Glu
				815					820					825
Gly	Gly	Trp	Trp	Arg	Gly	Asp	Tyr	Gly	Gly	Lys	Lys	Gln	Leu	Trp
				830					835					840
Phe	Pro	Ser	Asn	Tyr	Val	Glu	Glu	Met	Val	Asn	Pro	Val	Ala	Leu
				845					850					855
Glu	Pro	Glu	Arg	Glu	His	Leu	Asp	Glu	Asn	Ser	Pro	Leu	Gly	Asp
				860					865					870
Leu	Leu	Arg	Gly	Val	Leu	Asp	Val	Pro	Ala	Cys	Gln	Ile	Ala	Trp
				875					880					885
Arg	Arg	Trp	Pro	Thr	Gly	Pro	Trp	Met	Leu	Leu	Pro	Thr	His	Arg
				890					895					900
Arg	Ser	Cys	Arg	Thr	Gly									
				905										

<210> 5

<211> 1266

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7513134CD1

<400> 5

Met	Ala	Gly	Ala	Ala	Ser	Pro	Cys	Ala	Asn	Gly	Cys	Gly	Pro	Gly
1				5					10					15
Ala	Pro	Ser	Asp	Ala	Glu	Val	Leu	His	Leu	Cys	Arg	Ser	Leu	Glu
				20					25					30
Val	Gly	Thr	Val	Met	Thr	Leu	Phe	Tyr	Ser	Lys	Lys	Ser	Gln	Arg
				35					40					45
Pro	Glu	Arg	Lys	Thr	Phe	Gln	Val	Lys	Leu	Glu	Thr	Arg	Gln	Ile
				50					55					60
Thr	Trp	Ser	Arg	Gly	Ala	Asp	Lys	Ile	Glu	Gly	Ala	Ile	Asp	Ile
				65					70					75
Arg	Glu	Ile	Lys	Glu	Ile	Arg	Pro	Gly	Lys	Thr	Ser	Arg	Asp	Phe
				80					85					90
Asp	Arg	Tyr	Gln	Glu	Asp	Pro	Ala	Phe	Arg	Pro	Asp	Gln	Ser	His
				95					100					105
Cys	Phe	Val	Ile	Leu	Tyr	Gly	Met	Glu	Phe	Arg	Leu	Lys	Thr	Leu
				110					115					120
Ser	Leu	Gln	Ala	Thr	Ser	Glu	Asp	Glu	Val	Asn	Met	Trp	Ile	Lys
				125					130					135
Gly	Leu	Thr	Trp	Leu	Met	Glu	Asp	Thr	Leu	Gln	Ala	Pro	Thr	Pro
				140					145					150
Leu	Gln	Ile	Glu	Arg	Trp	Leu	Arg	Lys	Gln	Phe	Tyr	Ser	Val	Asp
				155					160					165
Arg	Asn	Arg	Glu	Asp	Arg	Ile	Ser	Ala	Lys	Asp	Leu	Lys	Asn	Met
				170					175					180
Leu	Ser	Gln	Val	Asn	Tyr	Arg	Val	Pro	Asn	Met	Arg	Phe	Leu	Arg
				185					190					195
Glu	Arg	Leu	Thr	Asp	Leu	Glu	Gln	Arg	Ser	Gly	Asp	Ile	Thr	Tyr
				200					205					210
Gly	Gln	Phe	Ala	Gln	Leu	Tyr	Arg	Ser	Leu	Met	Tyr	Ser	Ala	Gln
				215					220					225
Lys	Thr	Met	Asp	Leu	Pro	Phe	Leu	Glu	Ala	Ser	Thr	Leu	Arg	Ala
				230					235					240
Gly	Glu	Arg	Pro	Glu	Leu	Cys	Arg	Val	Ser	Leu	Pro	Glu	Phe	Gln
				245					250					255
Gln	Phe	Leu	Leu	Asp	Tyr	Gln	Gly	Glu	Leu	Trp	Ala	Val	Asp	Arg
				260					265					270

Leu	Gln	Val	Gln	Glu	Phe	Met	Leu	Ser	Phe	Leu	Arg	Asp	Pro	Leu
				275					280					285
Arg	Glu	Ile	Glu	Glu	Pro	Tyr	Phe	Phe	Leu	Asp	Glu	Phe	Val	Thr
				290					295					300
Phe	Leu	Phe	Ser	Lys	Glu	Asn	Ser	Val	Trp	Asn	Ser	Gln	Leu	Asp
				305					310					315
Ala	Val	Cys	Pro	Asp	Thr	Met	Asn	Asn	Pro	Leu	Ser	His	Tyr	Trp
				320					325					330
Ile	Ser	Ser	Ser	His	Asn	Thr	Tyr	Leu	Thr	Gly	Asp	Gln	Phe	Ser
				335					340					345
Ser	Glu	Ser	Ser	Leu	Glu	Ala	Tyr	Ala	Arg	Cys	Leu	Arg	Met	Gly
				350					355					360
Cys	Arg	Cys	Ile	Glu	Leu	Asp	Cys	Trp	Asp	Gly	Pro	Asp	Gly	Met
				365					370					375
Pro	Val	Ile	Tyr	His	Gly	His	Thr	Leu	Thr	Thr	Lys	Ile	Lys	Phe
				380					385					390
Ser	Asp	Val	Leu	His	Thr	Ile	Lys	Glu	His	Ala	Phe	Val	Ala	Ser
				395					400					405
Glu	Tyr	Pro	Val	Ile	Leu	Ser	Ile	Glu	Asp	His	Cys	Ser	Ile	Ala
				410					415					420
Gln	Gln	Arg	Asn	Met	Ala	Gln	Tyr	Phe	Lys	Lys	Val	Leu	Gly	Asp
				425					430					435
Thr	Leu	Leu	Thr	Lys	Pro	Val	Glu	Ile	Ser	Ala	Asp	Gly	Leu	Pro
				440					445					450
Ser	Pro	Asn	Gln	Leu	Lys	Arg	Lys	Ile	Leu	Ile	Lys	His	Lys	Lys
				455					460					465
Leu	Ala	Glu	Gly	Ser	Ala	Tyr	Glu	Glu	Val	Pro	Thr	Ser	Met	Met
				470					475					480
Tyr	Ser	Glu	Asn	Asp	Ile	Ser	Asn	Ser	Ile	Lys	Asn	Gly	Ile	Leu
				485					490					495
Tyr	Leu	Glu	Asp	Pro	Val	Asn	His	Glu	Trp	Tyr	Pro	His	Tyr	Phe
				500					505					510
Val	Leu	Thr	Ser	Ser	Lys	Ile	Tyr	Tyr	Ser	Glu	Glu	Thr	Ser	Ser
				515					520					525
Asp	Gln	Gly	Asn	Glu	Asp	Glu	Glu	Glu	Pro	Lys	Glu	Val	Ser	Ser
				530					535					540
Ser	Thr	Glu	Leu	His	Ser	Asn	Glu	Lys	Trp	Phe	His	Gly	Lys	Leu
				545					550					555
Gly	Ala	Gly	Arg	Asp	Gly	Arg	His	Ile	Ala	Glu	Arg	Leu	Leu	Thr
				560					565					570
Glu	Tyr	Cys	Ile	Glu	Thr	Gly	Ala	Pro	Asp	Gly	Ser	Phe	Leu	Val
				575					580					585
Arg	Glu	Ser	Glu	Thr	Phe	Val	Gly	Asp	Tyr	Thr	Leu	Ser	Phe	Trp
				590					595					600
Arg	Asn	Gly	Lys	Val	Gln	His	Cys	Arg	Ile	His	Ser	Arg	Gln	Asp
				605					610					615
Ala	Gly	Thr	Pro	Lys	Phe	Phe	Leu	Thr	Asp	Asn	Leu	Val	Phe	Asp
				620					625					630
Ser	Leu	Tyr	Asp	Leu	Ile	Thr	His	Tyr	Gln	Gln	Val	Pro	Leu	Arg
				635					640					645
Cys	Asn	Glu	Phe	Glu	Met	Arg	Leu	Ser	Glu	Pro	Val	Pro	Gln	Thr
				650					655					660
Asn	Ala	His	Glu	Ser	Lys	Glu	Trp	Tyr	His	Ala	Ser	Leu	Thr	Arg
				665					670					675
Ala	Gln	Ala	Glu	His	Met	Leu	Met	Arg	Val	Pro	Arg	Asp	Gly	Ala
				680					685					690
Phe	Leu	Val	Arg	Lys	Arg	Asn	Glu	Pro	Asn	Ser	Tyr	Ala	Ile	Ser
				695					700					705
Phe	Arg	Ala	Glu	Gly	Lys	Ile	Lys	His	Cys	Arg	Val	Gln	Gln	Glu
				710					715					720
Gly	Gln	Thr	Val	Met	Leu	Gly	Asn	Ser	Glu	Phe	Asp	Ser	Leu	Val
				725					730					735
Asp	Leu	Ile	Ser	Tyr	Tyr	Glu	Lys	His	Pro	Leu	Tyr	Arg	Lys	Met

Lys	Leu	Arg	Tyr	740	Ile	Asn	Glu	Glu	745	Ala	Leu	Glu	Lys	Ile	750	Gly
				755					760							765
Thr	Ala	Glu	Pro	770	Asp	Tyr	Gly	Ala	775	Tyr	Glu	Gly	Arg	Asn	Pro	780
Gly	Phe	Tyr	Val	785	Glu	Ala	Asn	Pro	790	Pro	Thr	Phe	Lys	Cys	Ala	795
Val	Lys	Ala	Leu	800	Phe	Asp	Tyr	Lys	805	Gln	Arg	Glu	Asp	Glu	Leu	810
Thr	Phe	Ile	Lys	815	Ser	Ala	Ile	Ile	820	Asn	Val	Glu	Lys	Gln	Glu	825
Gly	Gly	Trp	Trp	830	Arg	Gly	Asp	Tyr	835	Gly	Lys	Lys	Gln	Leu	Trp	840
Phe	Pro	Ser	Asn	845	Tyr	Val	Glu	Glu	850	Val	Asn	Pro	Val	Ala	Leu	855
Glu	Pro	Glu	Arg	860	Glu	His	Leu	Asp	865	Asn	Ser	Pro	Leu	Gly	Asp	870
Leu	Leu	Arg	Gly	875	Val	Leu	Asp	Val	880	Ala	Cys	Gln	Ile	Ala	Ile	885
Arg	Pro	Glu	Gly	890	Lys	Asn	Asn	Arg	895	Phe	Val	Phe	Ser	Ile	Ser	900
Met	Ala	Ser	Val	905	Ala	His	Trp	Ser	910	Asp	Val	Ala	Ala	Asp	Ser	915
Gln	Glu	Glu	Leu	920	Gln	Asp	Trp	Val	925	Lys	Ile	Arg	Glu	Val	Ala	930
Gln	Thr	Ala	Asp	935	Ala	Arg	Leu	Thr	940	Gly	Lys	Ile	Met	Glu	Arg	945
Arg	Lys	Lys	Ile	950	Ala	Leu	Glu	Leu	955	Glu	Leu	Val	Val	Tyr	Cys	960
Arg	Pro	Val	Pro	965	Phe	Asp	Glu	Glu	970	Ile	Gly	Thr	Glu	Arg	Ala	975
Cys	Tyr	Arg	Asp	980	Met	Ser	Ser	Phe	985	Glu	Thr	Lys	Ala	Glu	Lys	990
Tyr	Val	Asn	Lys	995	Ala	Lys	Gly	Lys	1000	Phe	Leu	Gln	Tyr	Asn	Arg	1005
Leu	Gln	Leu	Ser	1010	Arg	Ile	Tyr	Pro	1015	Gly	Gln	Arg	Leu	Asp	Ser	1020
Ser	Asn	Tyr	Asp	1025	Pro	Leu	Pro	Met	1030	Trp	Ile	Cys	Gly	Ser	Gln	1035
Val	Ala	Leu	Asn	1040	Phe	Gln	Thr	Pro	1045	Asp	Lys	Pro	Met	Gln	Met	1050
Gln	Ala	Leu	Phe	1055	Met	Thr	Gly	Arg	1060	His	Cys	Gly	Tyr	Val	Leu	1065
Pro	Ser	Thr	Met	1070	Arg	Asp	Glu	Ala	1075	Phe	Asp	Pro	Phe	Asp	Lys	1080
Ser	Leu	Arg	Gly	1085	Leu	Glu	Pro	Cys	1090	Ala	Ile	Ser	Ile	Glu	Val	1095
Gly	Ala	Arg	His	1100	Leu	Pro	Lys	Asn	1105	Gly	Arg	Gly	Ile	Val	Cys	1110
Phe	Val	Glu	Ile	1115	Glu	Val	Ala	Gly	1120	Ala	Glu	Tyr	Asp	Ser	Thr	1125
Gln	Lys	Thr	Glu	1130	Phe	Val	Val	Asp	1135	Asn	Gly	Leu	Asn	Pro	Val	1140
Pro	Ala	Lys	Pro	1145	Phe	His	Phe	Gln	1150	Ile	Ser	Asn	Pro	Glu	Phe	1155
Phe	Leu	Arg	Phe	1160	Val	Val	Tyr	Glu	1165	Glu	Asp	Met	Phe	Ser	Asp	1170
Asn	Phe	Leu	Ala	1175	Gln	Ala	Thr	Phe	1180	Pro	Val	Lys	Gly	Leu	Lys	1185
Gly	Tyr	Arg	Ala	1190	Val	Pro	Leu	Lys	1195	Asn	Asn	Tyr	Ser	Glu	Asp	1200
Glu	Leu	Ala	Ser	1205	Leu	Leu	Ile	Lys	1210	Ile	Asp	Ile	Phe	Pro	Ala	1215

Gly	Pro	Lys	Lys	Asp	Ser	Gly	Gln	Trp	Arg	Gln	Pro	Pro	Leu	Val	
				1220					1225					1230	
Val	Pro	Gln	Pro	Arg	Trp	Arg	Ala	Ala	Gly	Ala	Val	Arg	Leu	Val	
				1235					1240					1245	
Glu	Cys	Arg	Glu	Leu	Gly	Ser	Leu	Glu	Ala	Ala	Pro	Cys	Gly	Gly	
				1250					1255					1260	
Leu	Pro	Gly	Leu	Ala	Ala										
				1265											

<210> 6
 <211> 433
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7523653CD1

<400> 6															
Met	Leu	Ala	Ala	Thr	Val	Leu	Thr	Leu	Ala	Leu	Leu	Gly	Asn	Ala	
1				5					10					15	
His	Ala	Cys	Ser	Lys	Gly	Thr	Ser	His	Glu	Ala	Gly	Ile	Val	Cys	
				20					25					30	
Arg	Ile	Thr	Lys	Pro	Ala	Leu	Leu	Val	Leu	Asn	His	Glu	Thr	Ala	
				35					40					45	
Lys	Val	Ile	Gln	Thr	Ala	Phe	Gln	Arg	Ala	Ser	Tyr	Pro	Asp	Ile	
				50					55					60	
Thr	Gly	Glu	Lys	Ala	Met	Met	Leu	Leu	Gly	Gln	Val	Lys	Tyr	Gly	
				65					70					75	
Leu	His	Asn	Ile	Gln	Ile	Ser	His	Leu	Ser	Ile	Ala	Ser	Ser	Gln	
				80					85					90	
Val	Glu	Leu	Val	Glu	Ala	Lys	Ser	Ile	Asp	Val	Ser	Ile	Gln	Asn	
				95					100					105	
Val	Ser	Val	Val	Phe	Lys	Gly	Thr	Leu	Lys	Tyr	Gly	Tyr	Thr	Thr	
				110					115					120	
Ala	Trp	Trp	Leu	Gly	Ile	His	Gln	Ser	Ile	Asp	Phe	Glu	Ile	Asp	
				125					130					135	
Ser	Ala	Ile	Asp	Leu	Gln	Ile	Asn	Thr	Gln	Leu	Thr	Cys	Asp	Ser	
				140					145					150	
Gly	Arg	Val	Arg	Thr	Asp	Ala	Pro	Asp	Cys	Tyr	Leu	Ser	Phe	His	
				155					160					165	
Lys	Leu	Leu	Leu	His	Leu	Gln	Gly	Glu	Arg	Glu	Pro	Gly	Trp	Ile	
				170					175					180	
Lys	Gln	Leu	Phe	Thr	Asn	Phe	Ile	Ser	Phe	Thr	Leu	Lys	Leu	Val	
				185					190					195	
Leu	Lys	Gly	Gln	Ile	Cys	Lys	Glu	Ile	Asn	Val	Ile	Ser	Asn	Ile	
				200					205					210	
Met	Ala	Asp	Phe	Val	Gln	Thr	Arg	Ala	Ala	Ser	Ile	Leu	Ser	Asp	
				215					220					225	
Gly	Asp	Ile	Gly	Val	Asp	Ile	Ser	Leu	Thr	Gly	Asn	Pro	Val	Ile	
				230					235					240	
Thr	Ala	Ser	Tyr	Leu	Glu	Ser	His	His	Lys	Ala	Val	Leu	Gln	Thr	
				245					250					255	
Trp	Gly	Phe	Asn	Thr	Asn	Gln	Glu	Ile	Phe	Gln	Glu	Val	Val	Gly	
				260					265					270	
Gly	Phe	Pro	Ser	Gln	Ala	Gln	Val	Thr	Val	His	Cys	Leu	Lys	Met	
				275					280					285	
Pro	Lys	Ile	Ser	Cys	Gln	Asn	Lys	Gly	Val	Val	Val	Asn	Ser	Ser	
				290					295					300	
Val	Met	Val	Lys	Phe	Leu	Phe	Pro	Arg	Pro	Asp	Gln	Gln	His	Ser	
				305					310					315	
Val	Ala	Tyr	Thr	Phe	Glu	Glu	Asp	Ile	Val	Thr	Thr	Val	Gln	Ala	
				320					325					330	

Ser	Tyr	Ser	Lys	Lys	Lys	Leu	Phe	Leu	Ser	Leu	Leu	Asp	Phe	Gln
				335					340					345
Ile	Thr	Pro	Lys	Thr	Val	Ser	Asn	Leu	Thr	Glu	Ser	Ser	Ser	Glu
				350					355					360
Ser	Ile	Gln	Ser	Phe	Leu	Gln	Ser	Met	Ile	Thr	Ala	Val	Gly	Ile
				365					370					375
Pro	Glu	Val	Met	Ser	Arg	Leu	Glu	Val	Val	Phe	Thr	Ala	Leu	Met
				380					385					390
Asn	Ser	Lys	Gly	Val	Ser	Leu	Phe	Asp	Ile	Ile	Asn	Pro	Glu	Ile
				395					400					405
Ile	Thr	Arg	Asp	Gly	Phe	Leu	Leu	Leu	Gln	Met	Asp	Phe	Gly	Phe
				410					415					420
Pro	Glu	His	Leu	Leu	Val	Asp	Phe	Leu	Gln	Ser	Leu	Ser		
				425					430					

<210> 7

<211> 1076

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7751418CD1

<400> 7

Met	Glu	Pro	Arg	Ser	Cys	Pro	Pro	Trp	Asp	Ala	Cys	Pro	Ala	Thr
1				5					10					15
Leu	Gly	Val	Trp	Gln	Gly	Arg	Pro	Arg	Gly	Ala	Cys	Ser	His	Asn
				20					25					30
Gln	Gln	Thr	Thr	Ala	Phe	Arg	His	Pro	Val	Thr	Gly	Gln	Phe	Ser
				35					40					45
Pro	Glu	Asn	Ser	Glu	Phe	Ile	Leu	Gln	Glu	Glu	Pro	Asn	Pro	His
				50					55					60
Met	Ser	Lys	Gln	Asp	Arg	Asn	Gln	Arg	Pro	Ser	Ser	Met	Val	Ser
				65					70					75
Glu	Thr	Ser	Thr	Ala	Gly	Thr	Ala	Ser	Thr	Leu	Glu	Ala	Lys	Pro
				80					85					90
Gly	Pro	Lys	Ile	Ile	Lys	Ser	Ser	Ser	Lys	Val	His	Ser	Phe	Gly
				95					100					105
Lys	Arg	Asp	Gln	Ala	Ile	Arg	Arg	Asn	Pro	Asn	Val	Pro	Val	Val
				110					115					120
Val	Arg	Gly	Trp	Leu	His	Lys	Gln	Asp	Ser	Ser	Gly	Met	Arg	Leu
				125					130					135
Trp	Lys	Arg	Arg	Trp	Phe	Val	Leu	Ala	Asp	Tyr	Cys	Leu	Phe	Tyr
				140					145					150
Tyr	Lys	Asp	Ser	Arg	Glu	Glu	Ala	Val	Leu	Gly	Ser	Ile	Pro	Leu
				155					160					165
Pro	Ser	Tyr	Val	Ile	Ser	Pro	Val	Ala	Pro	Glu	Asp	Arg	Ile	Ser
				170					175					180
Arg	Lys	Tyr	Ser	Phe	Lys	Ala	Val	His	Thr	Gly	Met	Arg	Ala	Leu
				185					190					195
Ile	Tyr	Asn	Ser	Ser	Thr	Ala	Gly	Ser	Gln	Ala	Glu	Gln	Ser	Gly
				200					205					210
Met	Arg	Thr	Tyr	Tyr	Phe	Ser	Ala	Asp	Thr	Gln	Glu	Asp	Met	Asn
				215					220					225
Ala	Trp	Val	Arg	Ala	Met	Asn	Gln	Ala	Ala	Gln	Val	Leu	Ser	Arg
				230					235					240
Ser	Ser	Leu	Lys	Arg	Asp	Met	Glu	Lys	Val	Glu	Arg	Gln	Ala	Val
				245					250					255
Pro	Gln	Ala	Asn	His	Thr	Glu	Ser	Cys	His	Glu	Cys	Gly	Arg	Val
				260					265					270
Gly	Pro	Gly	His	Thr	Arg	Asp	Cys	Pro	His	Arg	Gly	His	Asp	Asp
				275					280					285

Ile	Val	Asn	Phe	Glu	Arg	Gln	Glu	Gln	Glu	Gly	Glu	Gln	Tyr	Arg
				290					295					300
Ser	Gln	Arg	Asp	Pro	Leu	Glu	Gly	Lys	Arg	Asp	Arg	Ser	Lys	Ala
				305					310					315
Arg	Ser	Pro	Tyr	Ser	Pro	Ala	Glu	Glu	Asp	Ala	Leu	Phe	Met	Asp
				320					325					330
Leu	Pro	Thr	Gly	Pro	Arg	Gly	Gln	Gln	Ala	Gln	Pro	Gln	Arg	Ala
				335					340					345
Glu	Lys	Asn	Gly	Met	Leu	Pro	Ala	Ser	Tyr	Gly	Pro	Gly	Glu	Gln
				350					355					360
Asn	Gly	Thr	Gly	Gly	Tyr	Gln	Arg	Ala	Phe	Pro	Pro	Arg	Thr	Asn
				365					370					375
Pro	Glu	Lys	His	Ser	Gln	Arg	Lys	Ser	Asn	Leu	Ala	Gln	Val	Glu
				380					385					390
His	Trp	Ala	Arg	Ala	Gln	Lys	Gly	Asp	Ser	Arg	Ser	Leu	Pro	Leu
				395					400					405
Asp	Gln	Thr	Leu	Pro	Arg	Gln	Gly	Pro	Gly	Gln	Ser	Leu	Ser	Phe
				410					415					420
Pro	Glu	Asn	Tyr	Gln	Thr	Leu	Pro	Lys	Ser	Thr	Arg	His	Pro	Ser
				425					430					435
Gly	Gly	Ser	Ser	Pro	Pro	Pro	Arg	Asn	Leu	Pro	Ser	Asp	Tyr	Lys
				440					445					450
Tyr	Ala	Gln	Asp	Arg	Ala	Ser	His	Leu	Lys	Met	Ser	Ser	Glu	Glu
				455					460					465
Arg	Arg	Ala	His	Arg	Asp	Gly	Thr	Val	Trp	Gln	Leu	Tyr	Glu	Trp
				470					475					480
Gln	Gln	Arg	Gln	Gln	Phe	Arg	His	Gly	Ser	Pro	Thr	Ala	Pro	Ile
				485					490					495
Cys	Leu	Gly	Ser	Pro	Glu	Phe	Thr	Asp	Gln	Gly	Arg	Ser	Arg	Ser
				500					505					510
Met	Leu	Glu	Val	Pro	Arg	Ser	Ile	Ser	Val	Pro	Pro	Ser	Pro	Ser
				515					520					525
Asp	Ile	Pro	Pro	Pro	Gly	Pro	Pro	Arg	Val	Phe	Pro	Pro	Arg	Arg
				530					535					540
Pro	His	Thr	Pro	Ala	Glu	Arg	Val	Thr	Val	Lys	Pro	Pro	Asp	Gln
				545					550					555
Arg	Arg	Ser	Val	Asp	Ile	Ser	Leu	Gly	Asp	Ser	Pro	Arg	Arg	Ala
				560					565					570
Arg	Gly	His	Ala	Val	Lys	Asn	Ser	Ser	His	Val	Asp	Arg	Arg	Ser
				575					580					585
Met	Pro	Ser	Met	Gly	Tyr	Met	Thr	His	Thr	Val	Ser	Ala	Pro	Ser
				590					595					600
Leu	His	Gly	Lys	Ser	Ala	Asp	Asp	Thr	Tyr	Leu	Gln	Leu	Lys	Lys
				605					610					615
Asp	Leu	Glu	Tyr	Leu	Asp	Leu	Lys	Met	Thr	Gly	Arg	Asp	Leu	Leu
				620					625					630
Lys	Asp	Arg	Ser	Leu	Lys	Pro	Val	Lys	Ile	Ala	Glu	Ser	Asp	Thr
				635					640					645
Asp	Val	Lys	Leu	Ser	Ile	Phe	Cys	Glu	Gln	Asp	Arg	Val	Leu	Gln
				650					655					660
Asp	Leu	Glu	Asp	Lys	Ile	Arg	Ala	Leu	Lys	Glu	Asn	Lys	Asp	Gln
				665					670					675
Leu	Glu	Ser	Val	Leu	Glu	Val	Leu	His	Arg	Gln	Met	Glu	Gln	Tyr
				680					685					690
Arg	Asp	Gln	Pro	Gln	His	Leu	Glu	Lys	Ile	Ala	Tyr	Gln	Gln	Lys
				695					700					705
Leu	Leu	Gln	Glu	Asp	Leu	Val	His	Ile	Arg	Ala	Glu	Leu	Ser	Arg
				710					715					720
Glu	Ser	Thr	Glu	Met	Glu	Asn	Ala	Trp	Asn	Glu	Tyr	Leu	Lys	Leu
				725					730					735
Glu	Asn	Asp	Val	Glu	Gln	Leu	Lys	Gln	Thr	Leu	Gln	Glu	Gln	His
				740					745					750
Arg	Arg	Ala	Phe	Phe	Phe	Gln	Glu	Lys	Ser	Gln	Ile	Gln	Lys	Asp

Leu Trp Arg Ile	755	Glu Asp Val Thr Ala	760	Gly Leu Ser Ala Asn Lys	765
	770		775		780
Glu Asn Phe Arg Ile	785	Leu Val Glu Ser Val	790	Lys Asn Pro Glu Arg	795
Lys Thr Val Pro	800	Leu Phe Pro His Pro	805	Pro Val Pro Ser Leu Ser	810
Thr Ser Glu Ser	815	Lys Pro Pro Pro Gln	820	Pro Ser Pro Pro Thr Ser	825
Pro Val Arg Thr	830	Pro Leu Glu Val Arg	835	Leu Phe Pro Gln Leu Gln	840
Thr Tyr Val Pro	845	Tyr Arg Pro His Pro	850	Pro Gln Leu Arg Lys Val	855
Thr Ser Pro Leu	860	Gln Ser Pro Thr Lys	865	Ala Lys Pro Lys Val Gln	870
Glu Asp Glu Ala	875	Pro Pro Arg Pro Pro	880	Leu Pro Glu Leu Tyr Ser	885
Pro Glu Asp Gln	890	Pro Pro Ala Val Pro	895	Pro Leu Pro Arg Glu Ala	900
Thr Ile Ile Arg	905	His Thr Ser Val Arg	910	Gly Leu Lys Arg Gln Ser	915
Asp Glu Arg Lys	920	Arg Asp Arg Glu Leu	925	Gly Gln Cys Val Asn Gly	930
Asp Ser Arg Val	935	Glu Leu Arg Ser Tyr	940	Val Ser Glu Pro Glu Leu	945
Ala Thr Leu Ser	950	Gly Asp Met Ala Gln	955	Pro Ser Leu Gly Leu Val	960
Gly Pro Glu Ser	965	Arg Tyr Gln Thr Leu	970	Pro Gly Arg Gly Leu Ser	975
Gly Ser Thr Ser	980	Arg Leu Gln Gln Ser	985	Ser Thr Ile Ala Pro Tyr	990
Val Thr Leu Arg	995	Arg Gly Leu Asn Ala	1000	Glu Ser Ser Lys Ala Thr	1005
Phe Pro Arg Pro	1010	Lys Ser Ala Leu Glu	1015	Arg Leu Tyr Ser Gly Asp	1020
His Gln Arg Gly	1025	Lys Met Ser Ala Glu	1030	Glu Gln Leu Glu Arg Met	1035
Lys Arg His Gln	1040	Lys Ala Leu Val Arg	1045	Glu Arg Lys Arg Thr Leu	1050
Gly Gln Gly Glu	1055	Arg Thr Gly Leu Pro	1060	Ser Ser Arg Tyr Leu Ser	1065
Arg Pro Leu Pro	1070	Gly Asp Leu Gly Ser	1075	Val Cys	

<210> 8

<211> 98

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523952CD1

<400> 8

Met Ala Leu Phe Gly	Ala Leu Phe Leu Ala	Leu Leu Ala Gly Ala
1	5	10
His Ala Glu Phe Pro	Gly Cys Lys Ile Arg	Val Thr Ser Lys Ala
	20	25
Leu Glu Leu Val Lys	Gln Glu Gly Leu Arg	Phe Leu Glu Gln Glu
	35	40
Leu Glu Thr Ile Thr	Ile Pro Asp Leu Arg	Arg Lys Glu Gly His
	50	55
Phe Tyr Tyr Asn Ile	Ser Glu Pro Gly Leu	Glu Arg Gly Ala Asp

	65		70		75
Lys Phe Pro Val Val Gly Gly Ser Ser Leu Phe Leu Ala Leu Asp					
	80		85		90
Leu Thr Leu Arg Pro Pro Val Gly					
	95				

<210> 9
 <211> 619
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7513020CD1

<400> 9

Met Glu Ser Ser Ser Ser Ser Asn Ser Tyr Phe Ser Val Gly Pro		
1	5	10
Thr Ser Pro Ser Ala Val Val Leu Leu Tyr Ser Leu Ser Lys Glu		15
	20	25
Ser Leu Gln Ser Val Asp Val Leu Arg Glu Glu Val Ser Glu Ile		30
	35	40
Leu Asp Glu Met Ser His Lys Leu Arg Leu Gly Ala Ile Arg Phe		45
	50	55
Cys Ala Phe Thr Leu Ser Lys Val Phe Lys Gln Ile Phe Ser Lys		60
	65	70
Val Cys Val Asn Glu Glu Gly Ile Gln Lys Leu Gln Arg Ala Ile		75
	80	85
Gln Glu His Pro Val Val Leu Leu Pro Ser His Arg Ser Tyr Ile		90
	95	100
Asp Phe Leu Met Leu Ser Phe Leu Leu Tyr Asn Tyr Asp Leu Pro		105
	110	115
Val Pro Val Ile Ala Ala Gly Met Asp Phe Leu Gly Met Lys Met		120
	125	130
Val Gly Glu Leu Leu Arg Met Ser Gly Ala Phe Phe Met Arg Arg		135
	140	145
Thr Phe Gly Gly Asn Lys Leu Tyr Trp Ala Val Phe Ser Glu Tyr		150
	155	160
Val Lys Thr Met Leu Arg Asn Gly Tyr Ala Pro Val Glu Phe Phe		165
	170	175
Leu Glu Gly Thr Arg Ser Arg Ser Ala Lys Thr Leu Thr Pro Lys		180
	185	190
Phe Gly Leu Leu Asn Ile Val Met Glu Pro Phe Phe Lys Arg Glu		195
	200	205
Val Phe Asp Thr Tyr Leu Val Pro Ile Ser Ile Ser Tyr Asp Lys		210
	215	220
Ile Leu Glu Glu Thr Leu Tyr Val Tyr Glu Leu Leu Gly Val Pro		225
	230	235
Lys Pro Lys Glu Ser Thr Thr Gly Leu Leu Lys Ala Arg Lys Ile		240
	245	250
Leu Ser Glu Asn Phe Gly Ser Ile His Val Tyr Phe Gly Asp Pro		255
	260	265
Val Ser Leu Arg Ser Leu Ala Ala Gly Arg Met Ser Arg Ser Ser		270
	275	280
Tyr Asn Leu Val Pro Arg Tyr Ile Pro Gln Lys Gln Ser Glu Asp		285
	290	295
Met His Ala Phe Val Thr Glu Val Ala Tyr Lys Met Glu Leu Leu		300
	305	310
Gln Ile Glu Asn Met Val Leu Ser Pro Trp Thr Leu Ile Val Ala		315
	320	325
Val Leu Leu Gln Asn Arg Pro Ser Met Asp Phe Asp Ala Leu Val		330
	335	340
Glu Lys Thr Leu Trp Leu Lys Gly Leu Thr Gln Ala Phe Gly Gly		345

Phe	Leu	Ile	Trp	350	Pro	Asp	Asn	Lys	Pro	355	Ala	Glu	Glu	Val	Val	360	Pro
Ala	Ser	Ile	Leu	365	Leu	His	Ser	Asn	Ile	370	Ala	Ser	Leu	Val	Lys	375	Asp
Gln	Val	Ile	Leu	380	Lys	Val	Asp	Ser	Gly	385	Asp	Ser	Glu	Val	Val	390	Asp
Gly	Leu	Met	Leu	395	Gln	His	Ile	Thr	Leu	400	Leu	Met	Cys	Ser	Ala	405	Tyr
Arg	Asn	Gln	Leu	410	Leu	Asn	Ile	Phe	Val	415	Arg	Pro	Ser	Leu	Val	420	Ala
Val	Ala	Leu	Gln	425	Met	Thr	Pro	Gly	Phe	430	Arg	Lys	Glu	Asp	Val	435	Tyr
Ser	Cys	Phe	Arg	440	Phe	Leu	Arg	Asp	Val	445	Phe	Ala	Asp	Glu	Phe	450	Ile
Phe	Leu	Pro	Gly	455	Asn	Thr	Leu	Lys	Asp	460	Phe	Glu	Glu	Gly	Cys	465	Tyr
Leu	Leu	Cys	Lys	470	Ser	Glu	Ala	Ile	Gln	475	Val	Thr	Thr	Lys	Asp	480	Ile
Leu	Val	Thr	Glu	485	Lys	Gly	Asn	Thr	Val	490	Leu	Glu	Phe	Leu	Val	495	Gly
Leu	Phe	Lys	Pro	500	Phe	Val	Glu	Ser	Tyr	505	Gln	Ile	Ile	Cys	Lys	510	Tyr
Leu	Leu	Ser	Glu	515	Glu	Glu	Asp	His	Phe	520	Ser	Glu	Glu	Gln	Tyr	525	Leu
Ala	Ala	Val	Arg	530	Lys	Phe	Thr	Ser	Gln	535	Leu	Leu	Asp	Gln	Gly	540	Thr
Ser	Gln	Cys	Tyr	545	Asp	Val	Leu	Ser	Ser	550	Asp	Val	Gln	Lys	Asn	555	Ala
Leu	Ala	Ala	Cys	560	Val	Arg	Leu	Gly	Val	565	Val	Glu	Lys	Lys	Lys	570	Ile
Asn	Asn	Asn	Cys	575	Ile	Phe	Asn	Val	Asn	580	Glu	Pro	Ala	Thr	Thr	585	Lys
Leu	Glu	Glu	Met	590	Leu	Gly	Cys	Lys	Thr	595	Pro	Ile	Gly	Lys	Pro	600	Ala
Thr	Ala	Lys	Leu	605						610						615	

<210> 10
 <211> 1433
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7513162CD1

<400> 10
 Met Gly Leu Arg Pro Gly Ile Phe Leu Leu Glu Leu Leu Leu Leu
 1 5 10 15
 Leu Gly Gln Gly Thr Pro Gln Ile His Thr Ser Pro Arg Lys Ser
 20 25 30
 Thr Leu Glu Gly Gln Leu Trp Pro Glu Thr Leu Lys Asn Ser Pro
 35 40 45
 Phe Pro Cys Asn Pro Asn Lys Leu Gly Val Asn Met Pro Ser Lys
 50 55 60
 Ser Val His Ser Leu Lys Pro Ser Asp Ile Lys Phe Val Ala Ala
 65 70 75
 Ile Gly Asn Leu Glu Ile Pro Pro Asp Pro Gly Thr Gly Asp Leu
 80 85 90
 Glu Lys Gln Asp Trp Thr Glu Arg Pro Gln Gln Val Cys Met Gly
 95 100 105
 Val Met Thr Val Leu Ser Asp Ile Ile Arg Tyr Phe Ser Pro Ser

Val	Pro	Met	Pro	110	Val	Cys	His	Thr	Gly	115	Lys	Arg	Val	Ile	Pro	His	120
Asp	Gly	Ala	Glu	125	Asp	Leu	Trp	Ile	Gln	130	Ala	Gln	Glu	Leu	Val	Arg	135
Asn	Met	Lys	Glu	140	Asn	Leu	Gln	Leu	Asp	145	Phe	Gln	Phe	Asp	Trp	Lys	150
Leu	Ile	Asn	Val	155	Phe	Phe	Ser	Asn	Ala	160	Ser	Gln	Cys	Tyr	Leu	Cys	165
Pro	Ser	Ala	Gln	170	Gln	Asn	Gly	Leu	Ala	175	Ala	Gly	Gly	Val	Asp	Glu	180
Leu	Met	Gly	Val	185	Leu	Asp	Tyr	Leu	Gln	190	Gln	Glu	Val	Pro	Arg	Ala	195
Phe	Val	Asn	Leu	200	Val	Asp	Leu	Ser	Glu	205	Val	Ala	Glu	Val	Ser	Arg	210
Gln	Tyr	His	Gly	215	Thr	Trp	Leu	Ser	Pro	220	Ala	Pro	Glu	Pro	Cys	Asn	225
Cys	Ser	Glu	Glu	230	Thr	Thr	Arg	Leu	Ala	235	Lys	Val	Val	Met	Gln	Trp	240
Ser	Tyr	Gln	Glu	245	Ala	Trp	Asn	Ser	Leu	250	Leu	Ala	Ser	Ser	Arg	Tyr	255
Ser	Glu	Gln	Glu	260	Ser	Phe	Thr	Val	Val	265	Phe	Gln	Pro	Phe	Phe	Tyr	270
Glu	Thr	Thr	Pro	275	Ser	Leu	His	Ser	Glu	280	Asp	Pro	Arg	Leu	Gln	Asp	285
Ser	Thr	Thr	Leu	290	Ala	Trp	His	Leu	Trp	295	Asn	Arg	Met	Met	Glu	Pro	300
Ala	Gly	Glu	Lys	305	Asp	Glu	Pro	Leu	Ser	310	Val	Lys	His	Gly	Arg	Pro	315
Met	Lys	Cys	Pro	320	Ser	Gln	Glu	Ser	Pro	325	Tyr	Leu	Phe	Ser	Tyr	Arg	330
Asn	Ser	Asn	Tyr	335	Leu	Thr	Arg	Leu	Gln	340	Lys	Pro	Gln	Asp	Lys	Leu	345
Glu	Val	Arg	Glu	350	Gly	Ala	Glu	Ile	Arg	355	Cys	Pro	Asp	Lys	Asp	Pro	360
Ser	Asp	Thr	Val	365	Pro	Thr	Ser	Val	His	370	Arg	Leu	Lys	Pro	Ala	Asp	375
Ile	Asn	Val	Ile	380	Gly	Ala	Leu	Gly	Asp	385	Ser	Leu	Thr	Ala	Gly	Asn	390
Gly	Ala	Gly	Ser	395	Thr	Pro	Gly	Asn	Val	400	Leu	Asp	Val	Leu	Thr	Gln	405
Tyr	Arg	Gly	Leu	410	Ser	Trp	Ser	Val	Gly	415	Gly	Asp	Glu	Asn	Ile	Gly	420
Thr	Val	Thr	Thr	425	Leu	Ala	Asn	Ile	Leu	430	Arg	Glu	Phe	Asn	Pro	Ser	435
Leu	Lys	Gly	Phe	440	Ser	Val	Gly	Thr	Gly	445	Lys	Glu	Thr	Ser	Pro	Asn	450
Ala	Phe	Leu	Asn	455	Gln	Ala	Val	Ala	Gly	460	Gly	Arg	Ala	Glu	Asp	Leu	465
Pro	Val	Gln	Ala	470	Arg	Arg	Leu	Val	Asp	475	Leu	Met	Lys	Asn	Asp	Thr	480
Arg	Ile	His	Phe	485	Gln	Glu	Asp	Trp	Lys	490	Ile	Ile	Thr	Leu	Phe	Ile	495
Gly	Gly	Asn	Asp	500	Leu	Cys	Asp	Phe	Cys	505	Asn	Asp	Leu	Val	His	Tyr	510
Ser	Pro	Gln	Asn	515	Phe	Thr	Asp	Asn	Ile	520	Gly	Lys	Ala	Leu	Asp	Ile	525
Leu	His	Ala	Glu	530	Val	Pro	Arg	Ala	Phe	535	Val	Asn	Leu	Val	Thr	Val	540
Leu	Glu	Ile	Val	545	Asn	Leu	Arg	Glu	Leu	550	Tyr	Gln	Glu	Lys	Lys	Val	555
Tyr	Cys	Pro	Arg	560	Met	Ile	Leu	Arg	Ser	565	Leu	Cys	Pro	Cys	Val	Leu	570
				575						580							585

Lys	Phe	Asp	Asp	Asn	Ser	Thr	Glu	Leu	Ala	Thr	Leu	Ile	Glu	Phe
				590					595					600
Asn	Lys	Lys	Phe	Gln	Glu	Lys	Thr	His	Gln	Leu	Ile	Glu	Ser	Gly
				605					610					615
Arg	Tyr	Asp	Thr	Arg	Glu	Asp	Phe	Thr	Val	Val	Val	Gln	Pro	Phe
				620					625					630
Phe	Glu	Asn	Val	Asp	Met	Pro	Lys	Thr	Ser	Glu	Gly	Leu	Pro	Asp
				635					640					645
Asn	Ser	Phe	Phe	Ala	Pro	Asp	Cys	Phe	His	Phe	Ser	Ser	Lys	Ser
				650					655					660
His	Ser	Arg	Ala	Ala	Ser	Ala	Leu	Trp	Asn	Asn	Met	Leu	Glu	Pro
				665					670					675
Val	Gly	Gln	Lys	Thr	Thr	Arg	His	Lys	Phe	Glu	Asn	Lys	Ile	Asn
				680					685					690
Ile	Thr	Cys	Pro	Asn	Gln	Val	Gln	Pro	Phe	Leu	Arg	Thr	Tyr	Lys
				695					700					705
Asn	Ser	Met	Gln	Gly	His	Gly	Thr	Trp	Leu	Pro	Cys	Arg	Asp	Arg
				710					715					720
Ala	Pro	Ser	Ala	Leu	His	Pro	Thr	Ser	Val	His	Ala	Leu	Arg	Pro
				725					730					735
Ala	Asp	Ile	Gln	Val	Val	Ala	Ala	Leu	Gly	Asp	Ser	Leu	Thr	Ala
				740					745					750
Gly	Asn	Gly	Ile	Gly	Ser	Lys	Pro	Asp	Asp	Leu	Pro	Asp	Val	Thr
				755					760					765
Thr	Gln	Tyr	Arg	Gly	Leu	Ser	Tyr	Ser	Ala	Gly	Gly	Asp	Gly	Ser
				770					775					780
Leu	Glu	Asn	Val	Thr	Thr	Leu	Pro	Asn	Ile	Leu	Arg	Glu	Phe	Asn
				785					790					795
Arg	Asn	Leu	Thr	Gly	Tyr	Ala	Val	Gly	Thr	Gly	Asp	Ala	Asn	Asp
				800					805					810
Thr	Asn	Ala	Phe	Leu	Asn	Gln	Ala	Val	Pro	Gly	Ala	Lys	Ala	Glu
				815					820					825
Asp	Leu	Met	Ser	Gln	Val	Gln	Thr	Leu	Met	Gln	Lys	Met	Lys	Asp
				830					835					840
Asp	His	Arg	Val	Asn	Phe	His	Glu	Asp	Trp	Lys	Val	Ile	Thr	Val
				845					850					855
Leu	Ile	Gly	Gly	Ser	Asp	Leu	Cys	Asp	Tyr	Cys	Thr	Asp	Ser	Asn
				860					865					870
Leu	Tyr	Ser	Ala	Ala	Asn	Phe	Val	Asp	His	Leu	Arg	Asn	Ala	Leu
				875					880					885
Asp	Val	Leu	His	Arg	Glu	Val	Pro	Arg	Val	Leu	Val	Asn	Leu	Val
				890					895					900
Asp	Phe	Leu	Asn	Pro	Thr	Ile	Met	Arg	Gln	Val	Phe	Leu	Gly	Asn
				905					910					915
Pro	Asp	Lys	Cys	Pro	Val	Gln	Gln	Ala	Ser	Val	Leu	Cys	Asn	Cys
				920					925					930
Val	Leu	Thr	Leu	Arg	Glu	Asn	Ser	Gln	Glu	Leu	Ala	Arg	Leu	Glu
				935					940					945
Ala	Phe	Ser	Arg	Ala	Tyr	Arg	Ser	Ser	Met	Arg	Glu	Leu	Val	Gly
				950					955					960
Ser	Gly	Arg	Tyr	Asp	Thr	Gln	Glu	Asp	Phe	Ser	Val	Val	Leu	Gln
				965					970					975
Pro	Phe	Phe	Gln	Asn	Ile	Gln	Leu	Pro	Val	Leu	Ala	Asp	Gly	Leu
				980					985					990
Pro	Asp	Thr	Ser	Phe	Phe	Ala	Pro	Asp	Cys	Ile	His	Pro	Asn	Gln
				995					1000					1005
Lys	Phe	His	Ser	Gln	Leu	Ala	Arg	Ala	Leu	Trp	Thr	Asn	Met	Leu
				1010					1015					1020
Glu	Pro	Leu	Gly	Ser	Lys	Thr	Glu	Thr	Leu	Asp	Leu	Arg	Ala	Glu
				1025					1030					1035
Met	Pro	Ile	Thr	Cys	Pro	Thr	Gln	Asn	Glu	Pro	Phe	Leu	Arg	Thr
				1040					1045					1050
Pro	Arg	Asn	Ser	Asn	Tyr	Thr	Tyr	Pro	Ile	Lys	Pro	Ala	Ile	Glu

1055	1060	1065
Asn Trp Gly Ser Asp Phe Leu Cys Thr Glu Trp Lys Ala Ser Asn		
1070	1075	1080
Ser Val Pro Thr Ser Val His Gln Leu Arg Pro Ala Asp Ile Lys		
1085	1090	1095
Val Val Ala Ala Leu Gly Asp Ser Leu Thr Thr Ala Val Gly Ala		
1100	1105	1110
Arg Pro Asn Asn Ser Ser Asp Leu Pro Thr Ser Trp Arg Gly Leu		
1115	1120	1125
Ser Trp Ser Ile Gly Gly Asp Gly Asn Leu Glu Thr His Thr Thr		
1130	1135	1140
Leu Pro Asn Ile Leu Lys Lys Phe Asn Pro Tyr Leu Leu Gly Phe		
1145	1150	1155
Ser Thr Ser Thr Trp Glu Gly Thr Ala Gly Leu Asn Val Ala Ala		
1160	1165	1170
Glu Gly Ala Arg Ala Arg Asp Met Pro Ala Gln Ala Trp Asp Leu		
1175	1180	1185
Val Glu Arg Met Lys Asn Ser Pro Asp Ile Asn Leu Glu Lys Asp		
1190	1195	1200
Trp Lys Leu Val Thr Leu Phe Ile Gly Val Asn Asp Leu Cys His		
1205	1210	1215
Tyr Cys Glu Asn Pro Glu Ala His Leu Ala Thr Glu Tyr Val Gln		
1220	1225	1230
His Ile Gln Gln Ala Leu Asp Ile Leu Ser Glu Glu Leu Pro Arg		
1235	1240	1245
Ala Phe Val Asn Val Val Glu Val Met Glu Leu Ala Ser Leu Tyr		
1250	1255	1260
Gln Gly Gln Gly Gly Lys Cys Ala Met Leu Ala Ala Gln Asn Asn		
1265	1270	1275
Cys Thr Cys Leu Arg His Ser Gln Ser Ser Leu Glu Lys Gln Glu		
1280	1285	1290
Leu Lys Lys Val Asn Trp Asn Leu Gln His Gly Ile Ser Ser Phe		
1295	1300	1305
Ser Tyr Trp His Gln Tyr Thr Gln Arg Glu Asp Phe Ala Val Val		
1310	1315	1320
Val Gln Pro Phe Phe Gln Asn Thr Leu Thr Pro Leu Asn Glu Arg		
1325	1330	1335
Gly Asp Thr Asp Leu Thr Phe Phe Ser Glu Asp Cys Phe His Phe		
1340	1345	1350
Ser Asp Arg Gly His Ala Glu Met Ala Ile Ala Leu Trp Asn Asn		
1355	1360	1365
Met Glu Ser Pro Tyr Leu Tyr Thr Leu Arg Asn Ser Arg Leu Leu		
1370	1375	1380
Pro Asp Gln Ala Glu Glu Ala Pro Glu Val Leu Tyr Trp Ala Val		
1385	1390	1395
Pro Val Ala Ala Gly Val Gly Leu Val Val Gly Ile Ile Gly Thr		
1400	1405	1410
Val Val Trp Arg Cys Arg Arg Gly Gly Arg Arg Glu Asp Pro Pro		
1415	1420	1425
Met Ser Leu Arg Thr Val Ala Leu		
1430		

<210> 11

<211> 1004

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7513164CD1

<400> 11

Met Gly Leu Arg Pro Gly Ile Phe Leu Leu Glu Leu Leu Leu Leu

1	5	10	15
Leu Gly Gln Gly Thr	Pro Gln Ile His Thr	Ser Pro Arg Lys Ser	
20	25	30	
Thr Leu Glu Gly Gln	Leu Trp Pro Glu Thr	Leu Lys Asn Ser Pro	
35	40	45	
Phe Pro Cys Asn Pro	Asn Lys Leu Gly Val	Asn Met Pro Ser Lys	
50	55	60	
Ser Val His Ser Leu	Lys Pro Ser Asp Ile	Lys Phe Val Ala Ala	
65	70	75	
Ile Gly Asn Leu Glu	Ile Pro Pro Asp Pro	Gly Thr Gly Asp Leu	
80	85	90	
Glu Lys Gln Asp Trp	Thr Glu Arg Pro Gln	Gln Val Cys Met Gly	
95	100	105	
Val Met Thr Val Leu	Ser Asp Ile Ile Arg	Tyr Phe Ser Pro Ser	
110	115	120	
Val Pro Met Pro Val	Cys His Thr Gly Lys	Arg Val Ile Pro His	
125	130	135	
Asp Gly Ala Glu Asp	Leu Trp Ile Gln Ala	Gln Glu Leu Val Arg	
140	145	150	
Asn Met Lys Glu Asn	Leu Gln Leu Asp Phe	Gln Phe Asp Trp Lys	
155	160	165	
Leu Ile Asn Val Phe	Phe Ser Asn Ala Ser	Gln Cys Tyr Leu Cys	
170	175	180	
Pro Ser Ala Gln Gln	Asn Gly Leu Ala Ala	Gly Gly Val Asp Glu	
185	190	195	
Leu Met Gly Val Leu	Asp Tyr Leu Gln Gln	Glu Val Pro Arg Ala	
200	205	210	
Phe Val Asn Leu Val	Asp Leu Ser Glu Val	Ala Glu Val Ser Arg	
215	220	225	
Gln Tyr His Gly Thr	Trp Leu Ser Pro Ala	Pro Glu Pro Cys Asn	
230	235	240	
Cys Ser Glu Glu Thr	Thr Arg Leu Ala Lys	Val Val Met Gln Trp	
245	250	255	
Ser Tyr Gln Glu Ala	Trp Asn Ser Leu Leu	Ala Ser Ser Arg Tyr	
260	265	270	
Ser Glu Gln Glu Ser	Phe Thr Val Val Phe	Gln Pro Phe Phe Tyr	
275	280	285	
Glu Thr Thr Pro Ser	Leu His Ser Glu Asp	Pro Arg Leu Gln Asp	
290	295	300	
Ser Thr Thr Leu Ala	Trp His Leu Trp Asn	Arg Met Met Glu Pro	
305	310	315	
Ala Gly Glu Lys Asp	Glu Pro Leu Ser Val	Lys His Gly Arg Pro	
320	325	330	
Met Lys Cys Pro Ser	Gln Glu Ser Pro Tyr	Leu Phe Ser Tyr Arg	
335	340	345	
Asn Ser Asn Tyr Leu	Thr Arg Leu Gln Lys	Pro Gln Asp Lys Leu	
350	355	360	
Glu Val Arg Glu Gly	Ala Glu Ile Arg Cys	Pro Asp Lys Asp Pro	
365	370	375	
Ser Asp Thr Val Pro	Thr Ser Val His Arg	Leu Lys Pro Ala Asp	
380	385	390	
Ile Asn Val Ile Gly	Ala Leu Gly Asp Ser	Leu Thr Ala Gly Asn	
395	400	405	
Gly Ala Gly Ser Thr	Pro Gly Asn Val Leu	Asp Val Leu Thr Gln	
410	415	420	
Tyr Arg Gly Leu Ser	Trp Ser Val Gly Gly	Asp Glu Asn Ile Gly	
425	430	435	
Thr Val Thr Thr Leu	Ala Asn Ile Leu Arg	Glu Phe Asn Pro Ser	
440	445	450	
Leu Lys Gly Phe Ser	Val Gly Thr Gly Lys	Glu Thr Ser Pro Asn	
455	460	465	
Ala Phe Leu Asn Gln	Ala Val Ala Gly Gly	Arg Ala Glu Asp Leu	
470	475	480	

Pro	Val	Gln	Ala	Arg	Arg	Leu	Val	Asp	Leu	Met	Lys	Asn	Asp	Thr
				485					490					495
Arg	Ile	His	Phe	Gln	Glu	Asp	Trp	Lys	Ile	Ile	Thr	Leu	Phe	Ile
				500					505					510
Gly	Gly	Asn	Asp	Leu	Cys	Asp	Phe	Cys	Asn	Asp	Leu	Val	His	Tyr
				515					520					525
Ser	Pro	Gln	Asn	Phe	Thr	Asp	Asn	Ile	Gly	Lys	Ala	Leu	Asp	Ile
				530					535					540
Leu	His	Ala	Glu	Val	Pro	Arg	Ala	Phe	Val	Asn	Leu	Val	Thr	Val
				545					550					555
Leu	Glu	Ile	Val	Asn	Leu	Arg	Glu	Leu	Tyr	Gln	Glu	Lys	Lys	Val
				560					565					570
Tyr	Cys	Pro	Arg	Met	Ile	Leu	Arg	Ser	Leu	Cys	Pro	Cys	Val	Leu
				575					580					585
Lys	Phe	Asp	Asp	Asn	Ser	Thr	Glu	Leu	Ala	Thr	Leu	Ile	Glu	Phe
				590					595					600
Asn	Lys	Lys	Phe	Gln	Glu	Lys	Thr	His	Gln	Leu	Ile	Glu	Ser	Gly
				605					610					615
Arg	Tyr	Asp	Thr	Arg	Glu	Asp	Phe	Thr	Val	Val	Val	Gln	Pro	Phe
				620					625					630
Phe	Glu	Asn	Val	Asp	Met	Pro	Lys	Thr	Ser	Glu	Gly	Leu	Pro	Asp
				635					640					645
Asn	Ser	Phe	Phe	Ala	Pro	Asp	Cys	Phe	His	Phe	Ser	Ser	Lys	Ser
				650					655					660
His	Ser	Arg	Ala	Ala	Ser	Ala	Leu	Trp	Asn	Asn	Met	Leu	Glu	Pro
				665					670					675
Val	Gly	Gln	Lys	Thr	Thr	Arg	His	Lys	Phe	Glu	Asn	Lys	Ile	Asn
				680					685					690
Ile	Thr	Cys	Pro	Asn	Gln	Val	Gln	Pro	Phe	Leu	Arg	Thr	Tyr	Lys
				695					700					705
Asn	Ser	Met	Gln	Gly	His	Gly	Thr	Trp	Leu	Pro	Cys	Arg	Asp	Arg
				710					715					720
Ala	Pro	Ser	Ala	Leu	His	Pro	Thr	Ser	Val	His	Ala	Leu	Arg	Pro
				725					730					735
Ala	Asp	Ile	Gln	Val	Val	Ala	Ala	Leu	Gly	Asp	Ser	Leu	Thr	Ala
				740					745					750
Gly	Asn	Gly	Ile	Gly	Ser	Lys	Pro	Asp	Asp	Leu	Pro	Asp	Val	Thr
				755					760					765
Thr	Gln	Tyr	Arg	Gly	Leu	Ser	Tyr	Ser	Ala	Gly	Gly	Asp	Gly	Ser
				770					775					780
Leu	Glu	Asn	Val	Thr	Thr	Leu	Pro	Asn	Ile	Leu	Arg	Glu	Phe	Asn
				785					790					795
Arg	Asn	Leu	Thr	Gly	Tyr	Ala	Val	Gly	Thr	Gly	Asp	Ala	Asn	Asp
				800					805					810
Thr	Asn	Ala	Phe	Leu	Asn	Gln	Ala	Val	Pro	Gly	Ala	Lys	Ala	Glu
				815					820					825
Asp	Leu	Met	Ser	Gln	Val	Gln	Thr	Leu	Met	Gln	Lys	Met	Lys	Asp
				830					835					840
Asp	His	Arg	Val	Asn	Phe	His	Glu	Asp	Trp	Lys	Val	Ile	Thr	Val
				845					850					855
Leu	Ile	Gly	Gly	Ser	Asp	Leu	Cys	Asp	Tyr	Cys	Thr	Asp	Ser	Asn
				860					865					870
Leu	Tyr	Ser	Ala	Ala	Asn	Phe	Val	His	His	Leu	Arg	Asn	Ala	Leu
				875					880					885
Asp	Val	Leu	His	Arg	Glu	Val	Pro	Arg	Val	Leu	Val	Asn	Leu	Val
				890					895					900
Asp	Phe	Leu	Asn	Pro	Thr	Ile	Met	Arg	Gln	Val	Phe	Leu	Gly	Asn
				905					910					915
Pro	Asp	Lys	Cys	Pro	Val	Gln	Gln	Ala	Arg	Ala	Ala	Cys	Ala	Ser
				920					925					930
Trp	Trp	Gly	Gln	Ala	Ala	Met	Thr	Arg	Arg	Arg	Thr	Ser	Leu	Trp
				935					940					945
Cys	Cys	Ser	Pro	Ser	Ser	Arg	Thr	Ser	Ser	Ser	Leu	Ser	Trp	Arg

				950					955					960
Met	Gly	Ser	Gln	Ile	Arg	Pro	Ser	Leu	Pro	Gln	Thr	Ala	Ser	Thr
				965					970					975
Gln	Ile	Arg	Asn	Ser	Thr	Pro	Ser	Trp	Pro	Glu	Pro	Phe	Gly	Pro
				980					985					990
Ile	Cys	Leu	Asn	His	Leu	Glu	Ala	Lys	Gln	Arg	Pro	Trp	Thr	
				995					1000					

<210> 12
 <211> 380
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7513496CD1

<400> 12

Met	Glu	Gly	Ala	Ala	Leu	Leu	Arg	Val	Ser	Val	Leu	Cys	Ile	Trp
1				5					10					15
Val	Gln	Gln	Asn	Val	Pro	Ser	Gly	Thr	Asp	Thr	Gly	Asp	Pro	Gln
				20					25					30
Ser	Lys	Pro	Leu	Gly	Asp	Trp	Ala	Ala	Gly	Thr	Met	Asp	Pro	Glu
				35					40					45
Ser	Ser	Ile	Phe	Ile	Glu	Asp	Ala	Ile	Lys	Tyr	Phe	Lys	Glu	Lys
				50					55					60
Val	Ser	Thr	Gln	Asn	Leu	Leu	Leu	Leu	Leu	Thr	Asp	Asn	Glu	Ala
				65					70					75
Trp	Asn	Gly	Phe	Val	Ala	Ala	Ala	Glu	Leu	Pro	Arg	Asn	Glu	Ala
				80					85					90
Asp	Glu	Leu	Arg	Lys	Ala	Leu	Asp	Asn	Leu	Ala	Arg	Gln	Met	Ile
				95					100					105
Met	Lys	Asp	Lys	Asn	Trp	His	Asp	Lys	Gly	Gln	Gln	Tyr	Arg	Asn
				110					115					120
Trp	Phe	Leu	Lys	Glu	Phe	Pro	Arg	Leu	Lys	Ser	Lys	Leu	Glu	Asp
				125					130					135
Asn	Ile	Arg	Arg	Leu	Arg	Ala	Leu	Ala	Asp	Gly	Val	Gln	Lys	Val
				140					145					150
His	Lys	Gly	Thr	Thr	Ile	Ala	Asn	Val	Val	Ser	Gly	Ser	Leu	Ser
				155					160					165
Ile	Ser	Ser	Gly	Ile	Leu	Thr	Leu	Val	Gly	Met	Gly	Leu	Ala	Pro
				170					175					180
Phe	Thr	Glu	Gly	Gly	Ser	Leu	Val	Leu	Leu	Glu	Pro	Gly	Met	Glu
				185					190					195
Leu	Gly	Ile	Thr	Ala	Ala	Leu	Thr	Gly	Ile	Thr	Ser	Ser	Thr	Ile
				200					205					210
Asp	Tyr	Gly	Lys	Lys	Trp	Trp	Thr	Gln	Ala	Gln	Ala	His	Asp	Leu
				215					220					225
Val	Ile	Lys	Ser	Leu	Asp	Lys	Leu	Lys	Glu	Val	Lys	Glu	Phe	Leu
				230					235					240
Gly	Glu	Asn	Ile	Ser	Asn	Phe	Leu	Ser	Leu	Ala	Gly	Asn	Thr	Tyr
				245					250					255
Gln	Leu	Thr	Arg	Gly	Ile	Gly	Lys	Asp	Ile	Arg	Ala	Leu	Arg	Arg
				260					265					270
Ala	Arg	Ala	Asn	Leu	Gln	Ser	Val	Pro	His	Ala	Ser	Ala	Ser	Arg
				275					280					285
Pro	Arg	Val	Thr	Glu	Pro	Ile	Ser	Ala	Glu	Ser	Gly	Glu	Gln	Val
				290					295					300
Glu	Arg	Val	Asn	Glu	Pro	Ser	Ile	Leu	Glu	Met	Ser	Arg	Gly	Val
				305					310					315
Lys	Leu	Thr	Asp	Val	Ala	Pro	Val	Ser	Phe	Phe	Leu	Val	Leu	Asp
				320					325					330
Val	Val	Tyr	Leu	Val	Tyr	Glu	Ser	Lys	His	Leu	His	Glu	Gly	Ala

	335		340		345
Lys Ser Glu Thr	Ala Glu Glu Leu Lys	Lys Val Ala Gln Glu	Leu		
	350		355		360
Glu Glu Lys Leu	Asn Ile Leu Asn Asn	Asn Tyr Lys Ile Leu	Gln		
	365		370		375
Ala Asp Gln Glu	Leu				
	380				

<210> 13
 <211> 99
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7514724CD1

<400> 13	
Met Arg Ile Trp Trp	Leu Leu Leu Ala Ile Glu Ile Cys Thr Gly
1 5	10 15
Asn Ile Asn Ser Gln	Asp Thr Cys Arg Gln Gly His Pro Gly Ile
20	25 30
Pro Gly Asn Pro Gly	His Asn Val Leu Pro Gly Arg Asp Gly Arg
35	40 45
Asp Gly Ala Lys Gly	Asp Lys Gly Asp Ala Gly Glu Pro Gly Cys
50	55 60
Pro Gly Ser Pro Gly	Lys Asp Gly Thr Ser Gly Glu Lys Gly Glu
65	70 75
Arg Gly Ala Asp Gly	Lys Val Glu Ala Lys Gly Ile Lys Gly Met
80	85 90
Phe Arg Cys Leu Trp	Ser Lys Thr Glu
95	

<210> 14
 <211> 304
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7514797CD1

<400> 14	
Met Ala Ala Gly Ile	Val Ala Ser Arg Arg Leu Arg Asp Leu Leu
1 5	10 15
Thr Arg Arg Leu Thr	Gly Ser Asn Tyr Pro Gly Leu Ser Ile Ser
20	25 30
Leu Arg Leu Thr Gly	Ser Ser Ala Gln Glu Ala Ala Ser Gly Val
35	40 45
Ala Leu Gly Glu Ala	Pro Asp His Ser Tyr Glu Ser Leu Arg Val
50	55 60
Thr Ser Ala Gln Lys	His Val Leu His Val Gln Leu Asn Arg Pro
65	70 75
Asn Lys Arg Asn Ala	Met Asn Lys Val Phe Trp Arg Glu Met Val
80	85 90
Glu Cys Phe Asn Lys	Ile Ser Arg Asp Ala Asp Cys Arg Ala Val
95	100 105
Val Ile Ser Gly Ala	Gly Lys Met Phe Thr Ala Gly Ile Asp Leu
110	115 120
Met Asp Met Ala Ser	Asp Ile Leu Gln Pro Lys Gly Asp Asp Val
125	130 135
Ala Arg Ile Ser Trp	Tyr Leu Arg Asp Ile Ile Thr Arg Tyr Gln
140	145 150

Glu	Thr	Phe	Asn	Val	Ile	Glu	Arg	Cys	Pro	Lys	Pro	Val	Ile	Ala
				155					160					165
Ala	Val	His	Gly	Gly	Cys	Ile	Gly	Gly	Gly	Val	Asp	Leu	Val	Thr
				170					175					180
Ala	Cys	Asp	Ile	Arg	Tyr	Cys	Ala	Gln	Asp	Ala	Phe	Phe	Gln	Val
				185					190					195
Lys	Glu	Val	Asp	Val	Gly	Leu	Ala	Ala	Asp	Val	Gly	Thr	Leu	Gln
				200					205					210
Arg	Leu	Pro	Lys	Val	Ile	Gly	Asn	Gln	Ser	Arg	Val	Phe	Pro	Asp
				215					220					225
Lys	Glu	Val	Met	Leu	Asp	Ala	Ala	Leu	Ala	Leu	Ala	Ala	Glu	Ile
				230					235					240
Ser	Ser	Lys	Ser	Pro	Val	Ala	Val	Gln	Ser	Thr	Lys	Val	Asn	Leu
				245					250					255
Leu	Tyr	Ser	Arg	Asp	His	Ser	Val	Ala	Glu	Ser	Leu	Asn	Tyr	Val
				260					265					270
Ala	Ser	Trp	Asn	Met	Ser	Met	Leu	Gln	Thr	Gln	Asp	Leu	Val	Lys
				275					280					285
Ser	Val	Gln	Ala	Thr	Thr	Glu	Asn	Lys	Glu	Leu	Lys	Thr	Val	Thr
				290					295					300
Phe	Ser	Lys	Leu											

<210> 15
 <211> 180
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7512100CD1

Met	Ala	Thr	Pro	Tyr	Val	Pro	Val	Pro	Met	Pro	Ile	Gly	Asn	Ser
1				5					10					15
Ala	Ser	Ser	Phe	Thr	Thr	Asn	Arg	Asn	Gln	Arg	Ser	Ser	Ser	Phe
				20					25					30
Gly	Ser	Val	Ser	Thr	Ser	Ser	Asn	Ser	Ser	Lys	Gly	Gln	Leu	Glu
				35					40					45
Asp	Ser	Asn	Met	Gly	Thr	Ala	Ser	Ser	Ile	Glu	Tyr	Ser	Thr	Arg
				50					55					60
Pro	Arg	Asp	Thr	Glu	Glu	Gln	Asn	Pro	Glu	Thr	Val	Asn	Trp	Glu
				65					70					75
Asp	Arg	Pro	Ser	Thr	Pro	Thr	Ile	Leu	Gly	Tyr	Glu	Val	Met	Glu
				80					85					90
Glu	Arg	Ala	Lys	Phe	Thr	Val	Tyr	Lys	Ile	Leu	Val	Lys	Lys	Thr
				95					100					105
Pro	Glu	Glu	Ser	Trp	Val	Val	Phe	Arg	Arg	Tyr	Thr	Asp	Phe	Ser
				110					115					120
Arg	Leu	Asn	Asp	Lys	Leu	Lys	Glu	Met	Phe	Pro	Gly	Phe	Arg	Leu
				125					130					135
Ala	Leu	Pro	Pro	Lys	Arg	Trp	Phe	Lys	Asp	Asn	Tyr	Asn	Ala	Asp
				140					145					150
Phe	Leu	Glu	Asp	Arg	Gln	Leu	Gly	Leu	Gln	Ala	Phe	Leu	Gln	Asn
				155					160					165
Leu	Val	Ala	His	Lys	Asp	Ile	Ala	Asn	Trp	His	Ser	Val	Lys	Leu
				170					175					180

<210> 16
 <211> 209
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7512101CD1

<400> 16

Met	Ala	Thr	Pro	Tyr	Val	Pro	Val	Pro	Met	Pro	Ile	Gly	Asn	Ser	
1				5					10					15	
Ala	Ser	Ser	Phe	Thr	Thr	Asn	Arg	Asn	Gln	Arg	Ser	Ser	Ser	Phe	
				20					25					30	
Gly	Ser	Val	Ser	Thr	Ser	Ser	Asn	Ser	Ser	Lys	Gly	Gln	Leu	Glu	
				35					40					45	
Asp	Ser	Asn	Met	Gly	Asn	Phe	Lys	Gln	Thr	Ser	Val	Pro	Asp	Gln	
				50					55					60	
Met	Asp	Asn	Thr	Ser	Ser	Val	Cys	Ser	Ser	Pro	Leu	Ile	Arg	Thr	
				65					70					75	
Lys	Phe	Thr	Gly	Thr	Ala	Ser	Ser	Ile	Glu	Tyr	Ser	Thr	Arg	Pro	
				80					85					90	
Arg	Asp	Thr	Glu	Glu	Gln	Asn	Pro	Glu	Thr	Val	Asn	Trp	Glu	Asp	
				95					100					105	
Arg	Pro	Ser	Thr	Pro	Thr	Ile	Leu	Gly	Tyr	Glu	Val	Met	Glu	Glu	
				110					115					120	
Arg	Ala	Lys	Phe	Thr	Val	Tyr	Lys	Ile	Leu	Val	Lys	Lys	Thr	Pro	
				125					130					135	
Glu	Glu	Ser	Trp	Val	Val	Phe	Arg	Arg	Tyr	Thr	Asp	Phe	Ser	Arg	
				140					145					150	
Leu	Asn	Asp	Lys	Leu	Lys	Glu	Met	Phe	Pro	Gly	Phe	Arg	Leu	Ala	
				155					160					165	
Leu	Pro	Pro	Lys	Arg	Trp	Phe	Lys	Asp	Asn	Tyr	Asn	Ala	Asp	Phe	
				170					175					180	
Leu	Glu	Asp	Arg	Gln	Leu	Gly	Leu	Gln	Ala	Phe	Leu	Gln	Asn	Leu	
				185					190					195	
Val	Ala	His	Lys	Asp	Ile	Ala	Asn	Trp	His	Ser	Val	Lys	Leu		
				200					205						

<210> 17
 <211> 419
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7516771CD1

<400> 17

Met	Lys	Met	Arg	Phe	Leu	Gly	Leu	Val	Val	Cys	Leu	Val	Leu	Trp	
1				5					10					15	
Thr	Leu	His	Ser	Glu	Gly	Ser	Arg	Gly	Lys	Leu	Thr	Ala	Val	Asp	
				20					25					30	
Pro	Glu	Thr	Asn	Met	Asn	Val	Ser	Glu	Ile	Ile	Ser	Tyr	Trp	Gly	
				35					40					45	
Phe	Pro	Ser	Glu	Glu	Tyr	Leu	Val	Glu	Thr	Glu	Asp	Gly	Tyr	Ile	
				50					55					60	
Leu	Cys	Leu	Asn	Arg	Ile	Pro	His	Gly	Arg	Lys	Asn	His	Ser	Asp	
				65					70					75	
Lys	Gly	Glu	Gly	Ala	Val	Pro	Trp	Asn	Met	Lys	Lys	Val	Ser	Met	
				80					85					90	
Ser	Leu	Asp	Met	Leu	Pro	Gly	Pro	Lys	Pro	Val	Val	Phe	Leu	Gln	
				95					100					105	
His	Gly	Leu	Leu	Ala	Asp	Ser	Ser	Asn	Trp	Val	Thr	Asn	Leu	Ala	
				110					115					120	
Asn	Ser	Ser	Leu	Gly	Phe	Ile	Leu	Ala	Asp	Ala	Gly	Phe	Asp	Val	
				125					130					135	
Trp	Met	Gly	Asn	Ser	Arg	Gly	Asn	Thr	Trp	Ser	Arg	Lys	His	Lys	

Thr	Leu	Ser	Val	140	Ser	Gln	Asp	Glu	Phe	145	Trp	Ala	Phe	Ser	Tyr	150	Asp
				155						160							165
Glu	Met	Ala	Lys	170	Tyr	Asp	Leu	Pro	Ala	175	Ser	Ile	Asn	Phe	Ile	180	Leu
Asn	Lys	Thr	Gly	185	Gln	Glu	Gln	Val	Tyr	190	Tyr	Val	Gly	His	Ser	195	Gln
Gly	Thr	Thr	Ile	200	Gly	Phe	Ile	Ala	Phe	205	Ser	Gln	Ile	Pro	Glu	210	Leu
Ala	Lys	Arg	Ile	215	Lys	Met	Phe	Phe	Ala	220	Leu	Gly	Pro	Val	Ala	225	Ser
Val	Ala	Phe	Cys	230	Thr	Ser	Pro	Met	Ala	235	Lys	Leu	Gly	Arg	Leu	240	Pro
Asp	His	Leu	Ile	245	Lys	Asp	Leu	Phe	Gly	250	Asp	Lys	Glu	Phe	Leu	255	Pro
Gln	Ser	Ala	Phe	260	Leu	Lys	Trp	Leu	Gly	265	Thr	His	Val	Cys	Thr	270	His
Val	Ile	Leu	Lys	275	Glu	Leu	Cys	Gly	Asn	280	Leu	Cys	Phe	Leu	Leu	285	Cys
Gly	Phe	Asn	Glu	290	Arg	Asn	Leu	Asn	Met	295	Ser	Arg	Val	Asp	Val	300	Tyr
Thr	Thr	His	Ser	305	Pro	Ala	Gly	Thr	Ser	310	Val	Gln	Asn	Met	Leu	315	His
Trp	Ser	Gln	Ala	320	Val	Lys	Phe	Gln	Lys	325	Phe	Gln	Ala	Phe	Asp	330	Trp
Gly	Ser	Ser	Ala	335	Lys	Asn	Tyr	Phe	His	340	Tyr	Asn	Gln	Ser	Tyr	345	Pro
Pro	Thr	Tyr	Asn	350	Val	Lys	Asp	Met	Leu	355	Val	Pro	Thr	Ala	Val	360	Trp
Ser	Gly	Gly	His	365	Asp	Trp	Leu	Ala	Asp	370	Val	Tyr	Asp	Val	Asn	375	Ile
Leu	Leu	Thr	Gln	380	Ile	Thr	Asn	Leu	Val	385	Phe	His	Glu	Ser	Ile	390	Pro
Glu	Trp	Glu	His	395	Leu	Asp	Phe	Ile	Trp	400	Gly	Leu	Asp	Ala	Pro	405	Trp
Arg	Leu	Tyr	Asn	410	Lys	Ile	Ile	Asn	Leu	415	Met	Arg	Lys	Tyr	Gln		

<210> 18

<211> 244

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7512128CD1

<400> 18

Met	Ala	Gly	Tyr	Glu	Tyr	Val	Ser	Pro	Glu	Gln	Leu	Ala	Gly	Phe
1				5					10					15
Asp	Lys	Tyr	Arg	Tyr	Ser	Ala	Val	Asp	Thr	Asn	Pro	Leu	Ser	Leu
				20					25					30
Tyr	Val	Met	His	Pro	Phe	Trp	Asn	Thr	Ile	Val	Lys	Val	Phe	Pro
				35					40					45
Thr	Trp	Leu	Ala	Pro	Asn	Leu	Ile	Thr	Phe	Ser	Gly	Phe	Leu	Leu
				50					55					60
Val	Val	Phe	Asn	Phe	Leu	Leu	Met	Ala	Tyr	Phe	Asp	Pro	Asp	Phe
				65					70					75
Tyr	Ala	Ser	Ala	Pro	Gly	His	Lys	His	Val	Pro	Asp	Trp	Val	Trp
				80					85					90
Ile	Val	Val	Gly	Ile	Leu	Asn	Phe	Val	Ala	Tyr	Thr	Leu	Asp	Gly
				95					100					105
Val	Asp	Gly	Lys	Gln	Ala	Arg	Arg	Thr	Asn	Ser	Ser	Thr	Pro	Leu

	110		115		120
Gly Glu Leu Phe	Asp His Gly Leu Asp	Ser Trp Ser Cys Val	Tyr		
	125		130		135
Phe Val Val Thr	Val Tyr Ser Ile Phe	Gly Arg Gly Ser Thr	Gly		
	140		145		150
Val Ser Val Phe	Val Leu Tyr Leu Leu	Leu Trp Val Val Leu	Phe		
	155		160		165
Ser Phe Ile Leu	Ser His Trp Gly Lys	Tyr Asn Thr Gly Ile	Leu		
	170		175		180
Phe Leu Pro Trp	Gly Tyr Asp Ile Ser	Gln Val Thr Ile Ser	Phe		
	185		190		195
Val Tyr Ile Val	Thr Ala Val Val Gly	Val Glu Ala Trp Tyr	Glu		
	200		205		210
Pro Phe Leu Phe	Asn Phe Leu Tyr Arg	Asp Leu Phe Thr Ala	Met		
	215		220		225
Ile Ile Gly Cys	Ala Leu Cys Val Thr	Leu Pro Met Ser Leu	Leu		
	230		235		240
Asn Phe Phe Arg					

<210> 19
 <211> 158
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7518098CD1

<400> 19
 Met Pro Ala His Leu Leu Gln Asp Asp Ile Ser Ser Ser Tyr Thr
 1 5 10 15
 Thr Thr Thr Thr Ile Thr Ala Pro Pro Ser Arg Val Leu Gln Asn
 20 25 30
 Gly Gly Asp Lys Leu Glu Thr Met Pro Leu Tyr Leu Glu Asp Asp
 35 40 45
 Ile Arg Pro Asp Ile Lys Asp Asp Ile Tyr Asp Pro Thr Tyr Lys
 50 55 60
 Asp Lys Glu Gly Pro Ser Pro Lys Val Glu Tyr Val Trp Arg Asn
 65 70 75
 Ile Ile Leu Met Ser Leu Leu His Leu Gly Ala Leu Tyr Gly Ile
 80 85 90
 Thr Leu Ile Pro Thr Cys Lys Phe Tyr Thr Trp Leu Trp Gly Val
 95 100 105
 Phe Tyr Tyr Phe Val Ser Ala Leu Gly Ile Thr Ala Gly Ala His
 110 115 120
 Arg Leu Trp Ser His Arg Ser Tyr Lys Ala Arg Leu Pro Leu Arg
 125 130 135
 Leu Phe Leu Ile Ile Ala Asn Thr Met Ala Phe Gln Ser Pro Gln
 140 145 150
 Val Pro Val Gln Ser Leu Ser Pro
 155

<210> 20
 <211> 426
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7524729CD1

<400> 20

Met	Ser	Asn	Ser	Val	Pro	Leu	Leu	Cys	Phe	Trp	Ser	Leu	Cys	Tyr
1				5					10					15
Cys	Phe	Ala	Ala	Gly	Ser	Pro	Val	Pro	Phe	Gly	Pro	Glu	Gly	Arg
				20					25					30
Leu	Glu	Asp	Lys	Leu	His	Lys	Pro	Lys	Ala	Thr	Gln	Thr	Glu	Val
				35					40					45
Lys	Pro	Ser	Val	Arg	Phe	Asn	Leu	Arg	Thr	Ser	Lys	Asp	Pro	Glu
				50					55					60
His	Glu	Gly	Cys	Tyr	Leu	Ser	Val	Gly	His	Ser	Gln	Pro	Leu	Glu
				65					70					75
Asp	Cys	Ser	Phe	Asn	Met	Thr	Ala	Lys	Thr	Phe	Phe	Ile	Ile	His
				80					85					90
Gly	Trp	Thr	Met	Ser	Gly	Ile	Phe	Glu	Asn	Trp	Leu	His	Lys	Leu
				95					100					105
Val	Ser	Ala	Leu	His	Thr	Arg	Glu	Lys	Asp	Ala	Asn	Val	Val	Val
				110					115					120
Val	Asp	Trp	Leu	Pro	Leu	Ala	His	Gln	Leu	Tyr	Thr	Asp	Ala	Val
				125					130					135
Asn	Asn	Thr	Arg	Val	Val	Gly	His	Ser	Ile	Ala	Arg	Met	Leu	Asp
				140					145					150
Trp	Leu	Gln	Glu	Lys	Asp	Asp	Phe	Ser	Leu	Gly	Asn	Val	His	Leu
				155					160					165
Ile	Gly	Tyr	Ser	Leu	Gly	Ala	His	Val	Ala	Gly	Tyr	Ala	Gly	Asn
				170					175					180
Phe	Val	Lys	Gly	Thr	Val	Gly	Arg	Ile	Thr	Ala	Ile	Thr	Glu	Val
				185					190					195
Val	Lys	Cys	Glu	His	Glu	Arg	Ala	Val	His	Leu	Phe	Val	Asp	Ser
				200					205					210
Leu	Val	Asn	Gln	Asp	Lys	Pro	Ser	Phe	Ala	Phe	Gln	Cys	Thr	Asp
				215					220					225
Ser	Asn	Arg	Phe	Lys	Lys	Gly	Ile	Cys	Leu	Ser	Cys	Arg	Lys	Asn
				230					235					240
Arg	Cys	Asn	Ser	Ile	Gly	Tyr	Asn	Ala	Lys	Lys	Met	Arg	Asn	Lys
				245					250					255
Arg	Asn	Ser	Lys	Met	Tyr	Leu	Lys	Thr	Arg	Ala	Gly	Met	Pro	Phe
				260					265					270
Arg	Val	Tyr	His	Tyr	Gln	Met	Lys	Ile	His	Val	Phe	Ser	Tyr	Lys
				275					280					285
Asn	Met	Gly	Glu	Ile	Glu	Pro	Thr	Phe	Tyr	Val	Thr	Leu	Tyr	Gly
				290					295					300
Thr	Asn	Ala	Asp	Ser	Gln	Thr	Leu	Pro	Leu	Glu	Ile	Val	Glu	Arg
				305					310					315
Ile	Glu	Gln	Asn	Ala	Thr	Asn	Thr	Phe	Leu	Val	Tyr	Thr	Glu	Gly
				320					325					330
Asp	Leu	Gly	Asp	Leu	Leu	Lys	Ile	Gln	Leu	Thr	Trp	Glu	Gly	Ala
				335					340					345
Ser	Gln	Ser	Trp	Tyr	Asn	Leu	Trp	Lys	Glu	Phe	Arg	Ser	Tyr	Leu
				350					355					360
Ser	Gln	Pro	Arg	Asn	Pro	Gly	Arg	Glu	Leu	Asn	Ile	Arg	Arg	Ile
				365					370					375
Arg	Val	Lys	Ser	Gly	Glu	Thr	Gln	Arg	Lys	Leu	Thr	Phe	Cys	Thr
				380					385					390
Glu	Asp	Pro	Glu	Asn	Thr	Ser	Ile	Ser	Pro	Gly	Arg	Glu	Leu	Trp
				395					400					405
Phe	Arg	Lys	Cys	Arg	Asp	Gly	Trp	Arg	Met	Lys	Asn	Glu	Thr	Ser
				410					415					420
Pro	Thr	Val	Glu	Leu	Pro									
				425										

<210> 21

<211> 909

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7520475CD1

<400> 21

Met	Val	Ala	Glu	Asn	Pro	Glu	Val	Thr	Lys	Gln	Trp	Val	Glu	Gly
1				5					10					15
Leu	Arg	Ser	Ile	Ile	His	Asn	Phe	Arg	Ala	Asn	Asn	Val	Ser	Pro
				20					25					30
Met	Thr	Cys	Leu	Lys	Lys	His	Trp	Met	Lys	Leu	Ala	Phe	Met	Thr
				35					40					45
Asn	Thr	Asn	Gly	Lys	Ile	Pro	Val	Arg	Ser	Ile	Thr	Arg	Thr	Phe
				50					55					60
Ala	Ser	Gly	Lys	Thr	Glu	Lys	Val	Ile	Phe	Gln	Ala	Leu	Lys	Glu
				65					70					75
Leu	Gly	Leu	Pro	Ser	Gly	Lys	Asn	Asp	Glu	Ile	Glu	Pro	Thr	Ala
				80					85					90
Phe	Ser	Tyr	Glu	Lys	Phe	Tyr	Glu	Leu	Thr	Gln	Lys	Ile	Cys	Pro
				95					100					105
Arg	Thr	Asp	Ile	Glu	Asp	Leu	Phe	Lys	Lys	Ile	Asn	Gly	Asp	Lys
				110					115					120
Thr	Asp	Tyr	Leu	Thr	Val	Asp	Gln	Leu	Val	Ser	Phe	Leu	Asn	Glu
				125					130					135
His	Gln	Arg	Asp	Pro	Arg	Leu	Asn	Glu	Ile	Leu	Phe	Pro	Phe	Tyr
				140					145					150
Asp	Ala	Lys	Arg	Ala	Met	Gln	Ile	Ile	Glu	Met	Tyr	Glu	Pro	Asp
				155					160					165
Glu	Asp	Leu	Lys	Lys	Lys	Gly	Leu	Ile	Ser	Ser	Asp	Gly	Phe	Cys
				170					175					180
Arg	Tyr	Leu	Met	Ser	Asp	Glu	Asn	Ala	Pro	Val	Phe	Leu	Asp	Arg
				185					190					195
Leu	Glu	Leu	Tyr	Gln	Glu	Met	Asp	His	Pro	Leu	Ala	His	Tyr	Phe
				200					205					210
Ile	Ser	Ser	Ser	His	Asn	Thr	Tyr	Leu	Thr	Gly	Arg	Gln	Phe	Gly
				215					220					225
Gly	Lys	Ser	Ser	Val	Glu	Met	Tyr	Arg	Gln	Val	Leu	Leu	Ala	Gly
				230					235					240
Cys	Arg	Cys	Val	Glu	Leu	Asp	Cys	Trp	Asp	Gly	Lys	Gly	Glu	Asp
				245					250					255
Gln	Glu	Pro	Ile	Ile	Thr	His	Gly	Lys	Ala	Met	Cys	Thr	Asp	Ile
				260					265					270
Leu	Phe	Lys	Asp	Val	Ile	Gln	Ala	Ile	Lys	Glu	Thr	Ala	Phe	Val
				275					280					285
Thr	Ser	Glu	Tyr	Pro	Val	Ile	Leu	Ser	Phe	Glu	Asn	His	Cys	Ser
				290					295					300
Lys	Tyr	Gln	Gln	Tyr	Lys	Met	Ser	Lys	Tyr	Cys	Glu	Asp	Leu	Phe
				305					310					315
Gly	Asp	Leu	Leu	Leu	Lys	Gln	Ala	Leu	Glu	Ser	His	Pro	Leu	Glu
				320					325					330
Pro	Gly	Arg	Ala	Leu	Pro	Ser	Pro	Asn	Asp	Leu	Lys	Arg	Lys	Ile
				335					340					345
Leu	Ile	Lys	Asn	Lys	Arg	Leu	Lys	Pro	Glu	Val	Glu	Lys	Lys	Gln
				350					355					360
Leu	Glu	Ala	Leu	Arg	Ser	Met	Met	Glu	Ala	Gly	Glu	Ser	Ala	Ser
				365					370					375
Pro	Ala	Asn	Ile	Leu	Glu	Asp	Asp	Asn	Glu	Glu	Glu	Ile	Glu	Ser
				380					385					390
Ala	Asp	Gln	Glu	Glu	Glu	Ala	His	Pro	Glu	Phe	Lys	Phe	Gly	Asn
				395					400					405
Glu	Leu	Ser	Ala	Asp	Asp	Leu	Gly	His	Lys	Glu	Ala	Val	Ala	Asn
				410					415					420
Ser	Val	Lys	Lys	Gly	Leu	Val	Thr	Val	Glu	Asp	Glu	Gln	Ala	Trp
				425					430					435

Met	Ala	Ser	Tyr	Lys	Tyr	Val	Gly	Ala	Thr	Thr	Asn	Ile	His	Pro	
				440					445					450	
His	Leu	Ser	Thr	Met	Ile	Asn	Tyr	Ala	Gln	Pro	Val	Lys	Phe	Gln	
				455					460					465	
Gly	Phe	His	Val	Ala	Glu	Glu	Arg	Asn	Ile	His	Tyr	Asn	Met	Ser	
				470					475					480	
Ser	Phe	Asn	Glu	Ser	Val	Gly	Leu	Gly	Tyr	Leu	Lys	Thr	His	Ala	
				485					490					495	
Ile	Glu	Phe	Val	Asn	Tyr	Asn	Lys	Arg	Gln	Met	Ser	Arg	Ile	Tyr	
				500					505					510	
Pro	Lys	Gly	Gly	Arg	Val	Asp	Ser	Ser	Asn	Tyr	Met	Pro	Gln	Ile	
				515					520					525	
Phe	Trp	Asn	Ala	Gly	Cys	Gln	Met	Val	Ser	Leu	Asn	Tyr	Gln	Thr	
				530					535					540	
Pro	Asp	Leu	Ala	Met	Gln	Leu	Asn	Gln	Gly	Lys	Phe	Glu	Tyr	Asn	
				545					550					555	
Gly	Ser	Cys	Gly	Tyr	Leu	Leu	Lys	Pro	Asp	Phe	Met	Arg	Arg	Pro	
				560					565					570	
Asp	Arg	Thr	Phe	Asp	Pro	Phe	Ser	Glu	Thr	Pro	Val	Asp	Gly	Val	
				575					580					585	
Ile	Ala	Ala	Thr	Cys	Ser	Val	Gln	Val	Ile	Ser	Gly	Gln	Phe	Leu	
				590					595					600	
Ser	Asp	Lys	Lys	Ile	Gly	Thr	Tyr	Val	Glu	Val	Asp	Met	Tyr	Gly	
				605					610					615	
Leu	Pro	Thr	Asp	Thr	Ile	Arg	Lys	Glu	Phe	Arg	Thr	Arg	Met	Val	
				620					625					630	
Met	Asn	Asn	Gly	Leu	Asn	Pro	Val	Tyr	Asn	Glu	Glu	Ser	Phe	Val	
				635					640					645	
Phe	Arg	Lys	Val	Ile	Leu	Pro	Asp	Leu	Ala	Val	Leu	Arg	Ile	Ala	
				650					655					660	
Val	Tyr	Asp	Asp	Asn	Asn	Lys	Leu	Ile	Gly	Gln	Arg	Ile	Leu	Pro	
				665					670					675	
Leu	Asp	Gly	Leu	Gln	Ala	Gly	Tyr	Arg	His	Ile	Ser	Leu	Arg	Asn	
				680					685					690	
Glu	Gly	Asn	Lys	Pro	Leu	Ser	Leu	Pro	Thr	Ile	Phe	Cys	Asn	Ile	
				695					700					705	
Val	Leu	Lys	Thr	Tyr	Val	Pro	Asp	Gly	Phe	Gly	Asp	Ile	Val	Asp	
				710					715					720	
Ala	Leu	Ser	Asp	Pro	Lys	Lys	Phe	Leu	Ser	Ile	Thr	Glu	Lys	Arg	
				725					730					735	
Ala	Asp	Gln	Met	Arg	Ala	Met	Gly	Ile	Glu	Thr	Ser	Asp	Ile	Ala	
				740					745					750	
Asp	Val	Pro	Ser	Asp	Thr	Ser	Lys	Asn	Asp	Lys	Lys	Gly	Lys	Ala	
				755					760					765	
Asn	Thr	Ala	Lys	Ala	Asn	Val	Thr	Pro	Gln	Ser	Ser	Ser	Glu	Leu	
				770					775					780	
Arg	Pro	Thr	Thr	Thr	Ala	Ala	Leu	Ala	Ser	Gly	Val	Glu	Ala	Lys	
				785					790					795	
Lys	Gly	Ile	Glu	Leu	Ile	Pro	Gln	Val	Arg	Ile	Glu	Asp	Leu	Lys	
				800					805					810	
Gln	Met	Lys	Ala	Tyr	Leu	Lys	His	Leu	Lys	Lys	Gln	Gln	Lys	Glu	
				815					820					825	
Leu	Asn	Ser	Leu	Lys	Lys	Lys	His	Ala	Lys	Glu	His	Ser	Thr	Met	
				830					835					840	
Gln	Lys	Leu	His	Cys	Thr	Gln	Val	Asp	Lys	Ile	Val	Ala	Gln	Tyr	
				845					850					855	
Asp	Lys	Glu	Lys	Ser	Thr	His	Glu	Lys	Ile	Leu	Glu	Lys	Ala	Met	
				860					865					870	
Lys	Lys	Lys	Gly	Gly	Ser	Asn	Cys	Leu	Glu	Met	Lys	Lys	Glu	Thr	
				875					880					885	
Glu	Ile	Lys	Ile	Gln	Thr	Leu	Thr	Ser	Asp	His	Lys	Ser	Lys	Gly	
				890					895					900	
Lys	Gln	Gly	Asn	Ala	Ser	Thr	Pro	Gly							

905

<210> 22
 <211> 645
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7511098CB1

<400> 22
 gcaccgcagc acgctggagt cccgcttagg taccagttag cgtcagggga gctgggtcag 60
 gcggtcgccg ggacaccccg tgtgtggcag gcggcgaagc gctctggaga atcccggaca 120
 gccctgctcc ctgcagccag gtgtagtttc gggagccact ggggccaag tgagagtcca 180
 gcggtcttcc agcgcttggg ccacggcggc ggccctggga gcagaggtgg agcgacccca 240
 ttacgctaaa gatgaaaggc tgggggttggc tggccctgct tctggggggcc ctgctgggaa 300
 ccgcctgggc tcggaggagc caggatctcc actgtggagc atgcagggct ctggtggatg 360
 aactagaatg ggaaattgcc caggtggacc ccaagaagac cattcagatg ggatctttcc 420
 ggatcaatcc agatggcagc cagtcagtgg tggagtgtga gagcattgtg gaggaatacg 480
 aggatgaact cattgaattc ttttcccag aggctgacaa tgttaaagac aaactttgca 540
 gtaagcgaac agatctttgt gaccatgccc tgcacatata gcatgatgag ctatgaacca 600
 ctggagcagc ccacactggc ttgatggatc acccccagga gggga 645

<210> 23
 <211> 287
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7522037CB1

<400> 23
 tacactatgg gcacacgact cctcccagct ctgtttcttg tcctcctggg attgggattt 60
 gaggtccagg' ggacccaaca gcccagcaa gatgagatgc ctagcccagc cttcctcacc 120
 caggtgaagg aatctctctc cagttactgg gagtcagcaa agacagccgc ccagaacctg 180
 gacttgtaca gcaaaagcac agcagccatg agcacttaca caggcatttt tactgaccaa 240
 gttctttctg tgctgaaggg agaggagtaa cagccagacc ccccata 287

<210> 24
 <211> 1159
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7524271CB1

<400> 24
 atggctgagt cacacctgct gcagtggctg ctgctgctgc tgcccacgct ctgtggccca 60
 ggactgctg cctggaccac ctcatccttg gcctgtgcc agggccctga gttctggtgc 120
 caaagcctgg agcaagcatt gcagtgcaga gccctagggc attgcctaca ggaagtctgg 180
 ggacatgtgg gagccgatct ctccgagcag caattcccca ttcctctccc ctattgctgg 240
 ctctgcaggg ctctgatcaa gcggatccaa gccatgattc ccaagggtgc gctagctgtg 300
 gcagtggccc aggtgtgccg cgtgggtacct ctggtggcgg gcggcatctg ccagtgcctg 360
 gctgagcgt actccgtcat cctgctcgac acgctgctgg gccgcatgct gcccagctg 420
 gtctgccgcc tcgtcctccg gtgctccatg gatgacagcg ctggcccaag agaattggctg 480
 ccgcgagact ctgagtgcc cctctgcatg tccgtgacca cccaggccgg gaacagcagc 540
 gagcaggcca taccacaggc aatgctccag gcctgtgttg gctcctggct ggacagggaa 600
 aagtgaagc aatttgtgga gcagcacacg cccagctgc tgaccctggg gccaggggc 660
 tgggatgcc acaccacctg ccaggccctc ggggtgtgtg ggaccatgtc cagccctctc 720
 cagtgtatcc acagccccga cctttgatga gaactcagct gtccagaaaa agacaccgtc 780

ctttaaagtg	ctgcagtatg	gccagacgtg	gtggctcaca	cctgcaatcc	cagcacctta	840
ggaggccgag	gcaggaggat	ccttgaggtc	aggagttcga	gaccagcctc	gccaacatgg	900
tgaaacccca	tttctactaa	aaatacaaaa	aattagccaa	gtgtggtggc	atatgcctgt	960
aatcccaact	actcagaagg	ccgaggcagg	agaattactt	gaacgcagga	gaatcactgc	1020
agcccaggag	gcagagggtg	cagtgcgccc	agattgcacc	actgcactcc	agcctgggtg	1080
acaggagcaa	gactccatct	cagtaaataa	ataaataaat	aaaaagcgct	gcagtagctg	1140
tggcctcacc	tgaagtcag					1159

<210> 25

<211> 4568

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7513132CB1

<400> 25

cccaacctca	gccgccgccc	ttgcgcttgc	tcccggggcgg	tcctggcctg	tgccgccgccc	60
gccccagcgc	tcggagccat	ggcggggcgc	gcgtcccctt	gcgccaaacgg	ctgcggggccc	120
ggcgcgcccct	cggacgcccga	ggtgctgcac	ctctgccgca	gcctcgaggt	gggcaccgctc	180
atgactttgt	tctactccaa	gaagtcgcag	cgacccgagc	ggaagacctt	ccaggtcaag	240
ctggagacgc	gccagatcac	gtggagccgg	ggcgcgcaca	agatcgaggg	ggccattgac	300
attcgtgaaa	ttaaggagat	ccgcccaggg	aagacctcac	gggactttga	tcgctatcaa	360
gaggaccag	ctttccggcc	ggaccagtca	cattgctttg	tcattctcta	tggaatggaa	420
tttcgcctga	aaacgctgag	cctgcaagcc	acatctgagg	atgaagtga	catgtggatc	480
aagggtctaa	cttggctgat	ggaggataca	ttgcaggcac	ccacaccctt	gcagattgag	540
aggtggctcc	ggaagcagtt	ttactcagtg	gatcggaatc	gtgaggatcg	tatatcagcc	600
aaggacctga	agaacatgct	gtcccaggtc	aactaccggg	tccccaacat	gcgcttcctc	660
cgagagcggc	tgacggacct	ggagcagcgc	agcggggaca	tcacctacgg	gcagtttgct	720
cagctgtacc	gcagcctcat	gtacagcgcc	cagaagacga	tggacctccc	cttcttgga	780
gccagtactc	tgagggtctg	ggagcggccc	gagctttgcc	gagtgtccct	tcctgagttc	840
cagcagttcc	ttcttgacta	ccagggggag	ctgtgggctg	ttgatcgcc	ccaggtgcag	900
gagttcatgc	tcagcttcct	ccgagacccc	ttacgagaga	tcgaggagcc	atacttcttc	960
ctggatgagt	ttgtcacctt	cctgtttctc	aaagagaaca	gtgtgtggaa	ctcgcagctg	1020
gatgcagtat	gcccggacac	catgaacaac	cctctttccc	actactggat	ctcctcctcg	1080
cacaacacgt	acctgaccgg	ggaccagttc	tccagtga	cctccttgga	agcctatgct	1140
cgctgcctgc	ggatgggctg	tcgctgcatt	gagttggact	gctgggacgg	cccggatggg	1200
atgccagtta	tttaccatgg	gcacaccctt	accaccaaga	tcaagttctc	agatgtcctg	1260
cacaccatca	aggagcatgc	ctttgtggcc	tcagagtacc	cagtcaccc	gtccattgag	1320
gaccactgca	gcattgccc	gcagagaaac	atggcccaat	acttcaagaa	ggtgctgggg	1380
gacacactcc	tcaccaagcc	cgtggagatc	tctgccgacg	ggctcccctc	acccaaccag	1440
cttaagagga	agatcctcat	caagcacaa	aagctggctg	agggcagtg	ctacgaggag	1500
gtgcctacat	ccatgatgta	ctctgagaac	gacatcagca	actctatcaa	gaatggcatc	1560
ctctacctgg	aggaccctgt	gaaccacgaa	tggtatcccc	actactttgt	tctgaccagc	1620
agcaagatct	actactctga	ggagaccagc	agtgaccagg	gcaacgagga	tgaggaggag	1680
cccaaggagg	tcagcagcag	cacagagctg	cactccaatg	agaagtgggt	ccatgggaag	1740
ctagggggcag	ggcgtgacgg	gcgtcacatc	gctgagcgcc	tgcttactga	gtactgcatc	1800
gagaccggag	cccctgacgg	ctccttcctc	gtgcgagaga	gtgagacctt	cgtgggagac	1860
tacacgctct	ctttctggcg	gaacgggaaa	gtccagcact	gccgtatcca	ctcccggcaa	1920
gatgctggga	cccccaagtt	cttcttgaca	gacaacctcg	tctttgactc	cctctatgac	1980
ctcatcacgc	actaccagca	ggtgcccctg	cgctgtaatg	agtttgagat	gcgactttca	2040
gagcctgtcc	cacagaccaa	cgcccacgag	agcaaagagt	ggtaccacgc	gagcctgacc	2100
agagcacagg	ctgagcacat	gctaattgcg	gtccctcgctg	atggggcctt	cctggtgcgg	2160
aagcggaatg	aacccaactc	atatgccatc	tctttccggg	ctgaggggcaa	gatcaagcat	2220
tgccgtgtcc	agcaagaggg	ccagacagtg	atgctaggga	actcggagtt	cgacagcctt	2280
gttgacctca	tcagctacta	tgagaaacac	ccgctatacc	gcaagatgaa	gctgcgctat	2340
cccatcaacg	aggaggcact	ggagaagatt	ggcacagctg	agcctgacta	cggggcccctg	2400
tatgaggggac	gcaaccctgg	cttctatgta	gaggcaaacc	ctatgccaac	tttcaagtgt	2460
gcagtcaaag	ccctctttga	ctacaaggcc	cagagggagg	acgagctgac	cttcatcaag	2520
agcgccatca	tccagaatgt	ggagaagcaa	gagggaggct	ggtggcgagg	ggactacgga	2580
gggaagaagc	agctgtggtt	cccatcaaac	tacgtggaag	agatgggtcaa	ccccgtggcc	2640
ctggagccgg	agagggagca	cttggacgag	aacagcccc	taggggactt	gctgcggggg	2700

```

gtcttggatg  tgccggccttg  tcagattgca  tggcgtcggg  ggcccactgg  tccctggatg  2760
ttgctgccga  ctcacaggag  gagctgcagg  actgggtgaa  aaagatccgt  gaagtggccc  2820
agacagcaga  cgccaggctc  actgaaggga  agataatgga  acggaggaag  aagattgccc  2880
tggagctctc  tgaacttgte  gtctactgcc  ggcctgttcc  ctttgatgaa  gagaagattg  2940
gcacagaaeg  tgcttgctac  cgggacatgt  catccttccc  ggaaaccaag  gctgagaaat  3000
acgtgaacaa  ggccaaaggc  aagaagttcc  ttcagtacaa  tcgactgcag  ctctcccgca  3060
tctaccécaa  gggccagcga  ctggattcct  ccaactacga  tcctttgccc  atgtggatct  3120
gtggcagtca  gcttgtggcc  ctcaacttcc  agaccctga  caagcctatg  cagatgaacc  3180
aggccctctt  catgacgggc  aggcactgtg  gctacgtgct  gcagccaagc  accatgcggg  3240
atgaggcctt  cgaccctttt  gacaagagca  gcctccgcgg  gctggagcca  tgtgccatct  3300
ctattgaggt  gctggggggc  cgacatctgc  caaagaatgg  ccgaggcatt  gtgtgtcctt  3360
ttgtggagat  tgaggtggct  ggagctgagt  atgacagcac  caagcagaag  acagagtttg  3420
tgggtggacaa  tggactcaac  cctgtatggc  cagccaagcc  cttccacttc  cagatcagta  3480
accctgaatt  tgccctttctg  cgcttcgtgg  tgtatgagga  agacatgttt  agtgaccaga  3540
atttcctggc  tcaggctact  ttcccagtaa  aaggcctgaa  gacaggatac  agagcagtgc  3600
ctttgaagaa  caactacagt  gaggacctgg  agttggcctc  cctgctgata  aagattgaca  3660
ttttccctgc  caagcaggag  aatgggtgacc  tcagtccctt  cagtggtagc  tccctgcggg  3720
agcggggctc  agatgcctca  ggccagctgt  ttcattggccg  agcccgggaa  ggctcctttg  3780
aatcccgcta  ccagcagccg  tttagaggact  tccgcatactc  ccaggagcat  ctgcagacc  3840
attttgacag  tcgagaacga  agggccccaa  gaaggactcg  ggtcaatgga  gacaaccgcc  3900
tctagttgta  cccagcctc  gttggagagc  agcagggtgt  gtgcgccttg  tagaatgccg  3960
cgaactgggt  tctttggaag  cagccccctg  tggcggcctt  ccgggtctcg  cagcctgaag  4020
cctggattcc  agcagtgaat  gctagacaga  aaccaagcca  ttaatgagat  gttattactg  4080
ttttgggcct  ccatgcccc  gctctggatg  aaggcaaaaa  ctgtactgtg  tttcgcata  4140
agcacacaca  tctggccctg  acttctggag  atggatcctt  ccatcttgtg  gggccaggac  4200
catggccgaa  gccccttgga  gagagaggct  gcctcagcca  gtggcacagg  agactccaag  4260
gagctactga  cattcctaag  agtggaggag  gaggaggagc  cttgctgggc  cagggaaaca  4320
aagtttacat  tgtcctgtag  ctttaaaacc  acagctgggc  aggggtgagaa  gctagatgcc  4380
cctgcagttt  ggccctggag  ccagggcgaga  ggaatgtagg  gcctgcattg  agaagggttc  4440
tgccctgcct  gaggaggagg  acacagcaca  agggcacatt  gcccatggct  gggaacatga  4500
cccagcctga  aagatacagg  ggatcatgtt  aaaaatagca  gtattatattt  tcgtctcaat  4560
gggtgcgg

```

<210> 26

<211> 4435

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7513134CB1

<400> 26

```

cccaacctca  gccgcgcgcg  ttgcgcttgc  tcccggggcg  tectggcctg  tgccgcgcgc  60
gccccagcgc  tcggagccat  ggcggggcgc  gcgtccctt  gcgccaacgg  ctgcggggcc  120
ggcgcgcctc  cgacgcgcga  ggtgctgcac  ctctgccgca  gcctcgaggt  gggcaccgtc  180
atgactttgt  tctactccaa  gaagtgcgag  cgaccgcgag  ggaagacctt  ccagggtcaag  240
ctggagacgc  gccagatcac  gtggagccgg  ggcgcgcgca  agatcgaggg  ggccattgac  300
attcgtgaaa  ttaaggagat  ccgcccaggg  aagacctcac  gggactttga  tcgctatcaa  360
gaggaccag  ctttccggcc  ggaccagtca  cattgctttg  tcattctcta  tggaatggaa  420
tttcgcctga  aaacgctgag  cctgcaagcc  acatctgagg  atgaagtga  catgtggatc  480
aagggcttaa  cttggctgat  ggaggatata  ttgcaggcac  ccacaccctt  gcagattgag  540
aggtggctcc  ggaagcagtt  ttactcagtg  gatcggaatc  gtgaggatcg  tatatcagcc  600
aaggacctga  agaacatgct  gtcccaggtc  aactaccggg  tcccacacat  gcgcttcctc  660
cgagagcggc  tgacggacct  ggagcagcgc  agcggggaca  tcacctacgg  gcagtttgct  720
cagctgtacc  gcagcctcat  gtacagcgcc  cagaagacga  tggacctccc  cttcttgga  780
gccagtactc  tgagggtgg  ggagcggccg  gagctttgcc  gagtgtccct  tcctgagttc  840
cagcagttcc  ttcttgacta  ccagggggag  ctgtgggctg  ttgatcgctt  ccagggtgcag  900
gagttcatgc  tcagcttctt  ccgagacccc  ttacgagaga  tcgaggagcc  atacttcttc  960
ctggatgagt  ttgtcacctt  cctgttcttc  aaagagaaca  gtgtgtggaa  ctgcagctg  1020
gatgcagtat  gcccggaac  catgaacaac  cctctttccc  actactggat  ctctctctcg  1080
cacaacacgt  acctgaccgg  ggaccagttc  tcagtgagt  cctccttgga  agcctatgct  1140
cgctgcctgc  ggatgggctg  tcgctgcatt  gagttggact  gctgggacgg  cccggatggg  1200

```



```

atgccagtta tttacccatgg gcacaccctt accaccaaga tcaagttctc agatgtcctg 1260
cacaccatca aggagcatgc ctttgtggcc tcagagtacc cagtcacccct gtccattgag 1320
gaccactgca gcattgcccga gcagagaaac atggcccaat acttcaagaa ggtgctgggg 1380
gacacactcc tcaccaagcc cgtggagatc tctgccgacg ggctcccctc acccaaccag 1440
cttaagagga agatcctcat caagcacaag aagctggctg agggcagtgc ctacgaggag 1500
gtgcctacat ccatgatgta ctctgagaac gacatcagca actctatcaa gaatggcatc 1560
ctctacctgg aggaccctgt gaaccacgaa tggatatccc actactttgt tctgaccagc 1620
agcaagatct actactctga ggagaccagc agtgaccagg gcaacgagga tgaggaggag 1680
cccaaggagg tcagcagcag cacagagctg cactccaatg agaagtgggt ccatgggaag 1740
ctagggggcag ggcgtgacgg gcgtcacatc gctgagcgcc tgcttactga gtactgcatc 1800
gagaccggag cccctgacgg ctcccttcctc gtgcgagaga gtgagacctt cgtgggagac 1860
tacacgctct ctttctggcg gaacgggaaa gtccagcact gccgtatcca ctcccggcaa 1920
gatgctggga cccccaagtt cttcttgaca gacaacctcg tctttgactc cctctatgac 1980
ctcatcacgc actaccagca ggtgcccctg cgctgtaatg agtttgagat gcgactttca 2040
gagcctgtcc cacagaccaa cgcccacgag agcaaagagt ggtaccacgc gagcctgacc 2100
agagcacagg ctgagcacat gctaattgag gtccctcgtg atggggcctt cctggtgagg 2160
aagcgggaat aaccaactc atatgccatc tctttccggg ctgaggggcaa gatcaagcat 2220
tgccgtgtcc agcaagaggg ccagacagtg atgctaggga actcggagtt cgacagcctt 2280
gttgacctca tcagctacta tgagaaacac ccgtataacc gcaagatgaa gctgcgctat 2340
cccatcaacg aggaggcact ggagaagatt ggcacagctg agcctgacta cggggccctg 2400
tatgagggac gcaaccctgg ctcttatgta gaggcaaacc ctatgccaac tttcaagtgt 2460
gcagtcaaag ccctctttga ctacaaggcc cagagggagg acgagctgac cttcatcaag 2520
agcggcatca tccagaatgt ggagaagcaa gagggaggct ggtggcgagg ggactacgga 2580
gggaagaagc agctgtgggt cccatcaaac tacgtggaag agatgggtcaa ccccgaggcc 2640
ctggagccgg agagggagca cttggacgag aacagccccc taggggactt gctgcggggg 2700
gtcttgatg tgccggcttg tcagattgcc atccgtcctg agggcaagaa caaccggctc 2760
ttcgtcttct ccatcagcat ggcgtcgggt gccactgggt ccctggatgt tgctgccgac 2820
tcacaggagg agctgcagga ctgggtgaaa aagatccgtg aagtggccca gacagcagac 2880
gccaggctca ctgaaggga gataatggaa cggaggaaga agattgccct ggagctctct 2940
gaacttgctg tctactgccg gcctgttccc tttgatgaag agaagattgg cacagaacgt 3000
gcttgctacc gggacatgtc atccttcccg gaaaccaagg ctgagaaata cgtgaacaag 3060
gccaaaggca agaagttcct tcagtacaat cgactgcagc tctcccgcac ctacccaag 3120
ggccagcgac tggattcctc caactacgat cctttgccc aagcctatgc agatgaacca ggccctcttc 3240
cttggtggcc tcaacttcca gaccctgac cagccaagca ccatgcggga tgaggccttc 3300
atgacgggca ggcactgtgg ctacgtgctg cctccgctgg ctggagccat gtgccatctc tattgaggtg 3360
gacccctttg acaagagcag cctccgctgg aaagaatggc cgaggcattg tgtgtccttt tgtggagatt 3420
ctggggggcc gagctgagta tgacagcacc aagcagaaga cagagtttgt ggtggacaat 3480
gaggtggctg gagctgagta agccaagccc ttccacttcc agatcagtaa ccctgaattt 3540
ggactcaacc ctgtatggcc gtatgaggaa gacatgttta gtgaccagaa tttcctggct 3600
gcctttctgc gcttcgtggg tccagtaaa aggcctgaag acaggataca gagcagtgcc tttgaagaac 3660
caggctactt tcccagtaaa gttggcctcc ctgctgatca agattgacat tttccctgcc 3720
aactacagtg aagacctgga ggggtcaatg agacaaccgc ctctagtgtt accccagcct 3780
aagggcccca cagcaggtgc tgtgcgcctt gtagaatgcc gcgaactggg ttcttttgaa 3840
cgttggagag gtggcgccct tccgggtctc gcagcctgaa gcctggattc cagcagtgaa 3900
gcagccccct tgctagacag aaaccaagcc attaatgaga tgttattact gttttgggcc tccatgcccc 3960
tgctagacag agctctggat gaaggcaaaa actgtactgt gtttcgcatt aagcacacac atctggccct 4020
gacttctgga gatggatcct tccatcttgt ggggccagga ccatggccga agccccttgg 4080
agagagaggg tgccctcagcc agtggcacag gagactccaa ggagctactg acattcctaa 4140
gagtggagga ggaggaggag ccttgctggg ccagggaaac aaagtttaca ttgtcctgta 4200
gctttaaaac cacagctggg cagggtgaga agctagatgc ccctgcagtt tggccctgga 4260
gccagggcag aggaatgtag ggcctgcatg gagaagggtt ctgccctgcc tgaggaggag 4320
gacacagcac aagggcacat tgcccatggc tgggaacatg acccagcctg aaagatacag 4380
gggatcatgt taaaaatagc agtattattt ttcgtctcaa tggattttct ggcgg 4435

```

<210> 27

<211> 1357

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523653CB1

<400> 27

tactgcctga	taaccatgct	ggctgccaca	gtcctgaccc	tggccctgct	gggcaatgcc	60
catgcctgct	ccaaaggcac	ctcgcacgag	gcaggcatcg	tgtgccgcat	caccaagcct	120
gccctcctgg	tgttgaacca	cgagactgcc	aaggtgatcc	agaccgcctt	ccagcgagcc	180
agctacccag	atatcacggg	cgagaaggcc	atgatgctcc	ttggccaagt	caagtatggg	240
ttgcacaaca	tccagatcag	ccacttgctc	atcgccagca	gccagggtgga	gctggtggaa	300
gccaaagtcca	ttgatgtctc	cattcagaac	gtgtctgtgg	tcttcaaggg	gaccctgaag	360
tatggctaca	ccactgcctg	gtggctgggt	attcatcagt	ccattgactt	cgagatcgac	420
tctgccattg	acctccagat	caacacacag	ctgacctgtg	actctggtag	agtgcggacc	480
gatgcccctg	actgctacct	gtctttccat	aagctgctcc	tgcattctcca	aggggagcga	540
gagcctgggt	ggatcaagca	gctgttcaca	aatttcattc	ccttcaccct	gaagctggtc	600
ctgaagggac	agatctgcaa	agagatcaac	gtcatctcta	acatcatggc	cgattttgtc	660
cagacaaggg	ctgccagcat	cctttcagat	ggagacattg	gggtggacat	ttccctgaca	720
ggtaatcccg	tcatcacagc	ctcctacctg	gagtcccatc	acaaggcagt	gctgcagacc	780
tggggcttca	acaccaacca	ggaaatcttc	caagagggtg	tggcggtt	ccccagccag	840
gccaagtca	ccgtccactg	cctcaagatg	ccaagatct	cctgccaaaa	caagggagtc	900
gtggtcaatt	cttcagtgat	ggtgaaattc	ctctttccac	gccagacca	gcaacattct	960
gtagcttaca	catttgaaga	ggatatcgtg	actaccgtcc	aggcctccta	ttctaagaaa	1020
aagctcttct	taagcctctt	ggatttccag	attacaccaa	agactgtttc	caacttgact	1080
gagagcagct	ccgagtcctt	ccagagcttc	ctgcagtcaa	tgatcacccg	tgtgggcatc	1140
cctgagggtca	tgtctcggct	cgaggtagtg	tttacagccc	tcatgaacag	caaaggcgtg	1200
agcctcttcg	acatcatcaa	ccctgagatt	atcactcgag	atggcttcct	gctgctgcag	1260
atggactttg	gcttccctga	gcacctgctg	gtggatttcc	tccagagctt	gagctagaag	1320
tctccaagga	ggtcgggatg	gggctttag	cagaaga			1357

<210> 28

<211> 3703

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7751418CB1

<400> 28

gatgtcaagt	gggtgtgggc	tcctcggaaa	ggccccggcg	aggaggagga	gggcgcgcga	60
tgcgccgcgg	gcgagctgag	gccccggcgc	gtcccgtagc	ccagcgccgc	tgaccggtgg	120
cccgccccgg	ctcgcaagc	agtcgcatgg	agccgcggag	ctgtcctccc	tgggacgcgt	180
gccccgccac	gctgggggtc	tggcaggggc	gaccaagggg	ggcctgcagc	cataaccagc	240
agaccacagc	attcaggcat	cctgtgacgg	gacagttttc	tccagaaaat	agtgaattca	300
ttcttcaaga	agagccgaat	ccacatatgt	cgaagcaaga	cagaaaccaa	agaccgtcca	360
gcatggtcag	tgaaacatcc	acggctggga	ccgcctccac	cctggaggcc	aagcctggac	420
ccaagatcat	aaagtccagc	agtaaagtcc	acagcttttg	gaagagagac	caggccattc	480
ggaggaaccc	caatgttccc	gtgggtggtg	ggggctggct	gcacaagcag	gacagttctg	540
ggatgaggct	gtggaaaagg	aggtggtttg	tgcttgctga	ttactgctta	ttttactata	600
aagacagccg	agaagaagcg	gtcctcggga	gcatccccct	gccagctac	gtgatctctc	660
ctgtggcccc	tgaggatcgc	ataagccgca	aatattcctt	taaggctgtg	cacacggggg	720
tgcgagcgct	catctataac	agctccacag	cgggctctca	ggccgagcag	tcaggcatga	780
ggacctacta	cttcagtgcc	gacaccagc	aggacatgaa	cgcttgggtc	agggccatga	840
accaggctgc	acaggtgctg	tctcgatcgt	cactgaagag	ggatatggag	aaggtggagc	900
ggcaggctgt	ccccaggcc	aaccacacag	agtcctgtca	cgaatgtggc	cgggtgggac	960
ccggacatac	gagagattgt	cctcatcgtg	gccatgatga	cattgtcaac	ttcgagaggg	1020
aggagcagga	gggagagcag	taccgttccc	agagggaccc	actggagggc	aagcgggacc	1080
ggagcaaggc	caggtctccg	tactcgccag	ccgaggagga	tgccttggtt	atggatttac	1140
ccactggccc	aagaggccag	caggcacagc	cccaacgggc	agagaagaat	ggaatgctgc	1200
ctgcctcata	tggcccagga	gaacagaatg	ggactgggtg	gtaccagcgg	gcctttcctc	1260
ccaggaccaa	ccctgaaaaa	cacagccaaa	ggaagagcaa	tctggcccag	gtggagcact	1320
gggcaagggc	ccagaaaggg	gatagcagga	gtcttccctt	ggaccagacg	cttcctcgcc	1380
agggtccttg	ccaatccctg	tccttcccag	aaaactacca	gactcttccc	aagagcaccc	1440
gacacccctc	ggggggctcc	tcgccacctc	cccgaacctt	gccaagtgac	tacaagtatg	1500
cgcaggaccg	agccagccac	ctgaagatgt	cgagtgaaga	gcgccgggcg	caccgggatg	1560
gcaccgtgtg	gcagctctac	gagtggcagc	agcgccagca	gttccggcac	ggcagcccca	1620
cagcgcccat	ctgccttggc	tccccagagt	tcaccgacca	gggccggagc	aggagcatgc	1680


```

tagaggtgcc ccgctccatc tctgtgcctc catctccctc ggacatccct cccccaggac 1740
ccccagggt cttcccaccc cggcggccac acacaccagc agagcgagtc acagtgaagc 1800
caccggacca gaggaggagt gtggacatct cgctggggga ttctccaagg agggcacggg 1860
gccacgctgt caagaactca tctcatgttg accgacgctc catgccctcc atgggttaca 1920
tgacccacac cgtcagcgct cccagtttac atggaaaatc ggctgatgat acctacctcc 1980
agctgaagaa agacctggag tacctggatc taaagatgac aggccgggac cttctcaagg 2040
atcgaagtct gaagcctgtg aagatcgctg agagcgacac tgacgtcaaa ctgagcatct 2100
tctgtgaaca agacagggtc ctccaggact tggaagacaa gatacgagcc cttaaagaga 2160
acaaagacca gctagaatct gtgctggagg tgttgcacag acagatggag cagtaccgag 2220
accagcccca gcacttggag aagattgcct accagcagaa gttgctgcag gaggaccttg 2280
tccatatccg agctgagctc tccagagagt ccactgagat ggaaaatgct tggaacgaat 2340
acctgaagtt ggagaatgat gtggaacagc tgaagcagac cctgcaggag caacacagaa 2400
gagccttttt tttccaggag aaatcgcaga tacagaaaga tctatggaga attgaagatg 2460
tactgcagg cctgagtgc aataaagaga acttcagaat tctagtggag tcagtaaaaa 2520
atccggagag aaaaacgggt cctttgtttc ctcaccgcc tgtgccttca ctctcaactt 2580
ctgagagcaa gccgccccca cagcccagtc ctcccaccag cctgtgctgg accctctctg 2640
aggttcgact cttccccccag ctgcaaacct acgtgccgta ccgacctcac ccaccccagc 2700
tgaggaaagt gacatccccc cttcagtcac caactaaggc gaagcccaaa gttcaggaag 2760
atgaagcacc tcccaggccc ccactccccg aactctacag cccagaggac cagcccccg 2820
ctgtgcgcc tctgccaaga gaggccacca tcatccggca cacatctgtg cggggcctca 2880
agcggcagtc agacgagagg aagcgagacc gggagctggg gcagtgtgtg aatggggatt 2940
ccagggtgga gctgcggtcg tatgtcagtg agcctgagct ggcgaccctc agcggggaca 3000
tgggccagcc ctccctagga cttgtggggc ctgagagcag gtaccagacg ctgccaggca 3060
gagggtcttc aggggtccacg tcaaggctcc agcagtcgtc caccattgct ccctacgtca 3120
cactccggag ggggtctcaat gccgaaagca gcaaggcgac cttccctaga cctaagagt 3180
ccttgagcgc cctgtactca ggggatcacc agcgaggcaa gatgagtgc a gaggagcagc 3240
tgagagcgc gaagcgacac cagaaggccc tgggtccgaga gcgcaagagg acactgggcc 3300
aaggggagag gacgggcctg ccctcatctc gctacctcag ccggccgctc cctggagatc 3360
ttggctcagt atgttaggag gggccaggca gcggggcagg gacagggagc cgagtgcctc 3420
tcagagtccc ccaaacacaa gcacatcaca cctcccagtg agagagctgt ccattgacct 3480
acatggttca gagaacaccc cacggggctg tttgtccacg acccaggctg gacgaatgcc 3540
tggtcagagg gtgacctgaa ccagagctgg agtgaggatc aaacaggccc aggagcctga 3600
ggaaataccc agtcagtcct cccagccgcg atggagaggg gcctttgcag gcgttcggaa 3660
tctcggctga attcaggacc tgggaataca ggggttcagag agg 3703

```

<210> 29

<211> 1704

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7523952CB1

<400> 29

```

tacaaccctg cccgccagac cccgtcgccc ggatccctct agctgcccgc catcccacgt 60
gaccgcgccg cccccagct ccaccgctga gcccgctcgc catggccctc ttcggggccc 120
tcttcctagc gctgctggca ggcgcacatg cagagttccc aggctgcaag atccgcgtca 180
cctccaaggc gctggagctg gtgaagcagg aggggctgcg ctttctggag caagagctgg 240
agactatcac cattccggac ctgcggcgca aagaagggca cttctactac aacatctctg 300
agcctggact tgaaagggga gcagacaaat ttcctgtcgt tgggggaagt tccctcttct 360
tgccctgga tctgaccctg aggcctcctg taggggtgaag gtcacagagc tgcaactgac 420
atcttccgag ctcgatttcc agccacagca ggagctgatg cttcaaatca ccaatgcctc 480
cttggggctg cgcttccgga gacagctgct ctactgggtc ttctatgatg ggggctacat 540
caacgcctca gctgagggtg tgtccatccg cactggctct gagctctccc gggatccgc 600
tggaaggatg aaagtgtcca atgtctcctg ccaggcctct gtctccagaa tgcacgcggc 660
cttcggggga accttcaaga aggtgtatga ttttctctcc acgttcatca cctcagggat 720
gcgcttcctc ctcaaccagc agatctgccc tgtcctctac cacgcaggga cggctctgct 780
caactccctc ctggacaccg tgcctgtgcg cagttctgtg gacgagcttg ttggcattga 840
ctattccctc atgaaggatc ctgtggcttc caccagcaac ctggacatgg acttccgggg 900
ggccttcttc cccctgactg agaggaactg gagcctcccc aaccgggcag tggagcccca 960
gctgcaggag gaagagcgga tgggtgtatgt ggccttctct gagttcttct tcgactctgc 1020
catggagagc tacttccggg cgggggccct gcagctgttg ctgggtggggg acaagggtgc 1080

```

```

ccacgacctg gacatgctgc tgaggggccac ctactttggg agcattgtcc tgctgagccc 1140
agcagtgatt gactccccat tgaagctgga gctgcgggtc ctggccccac cgcgctgcac 1200
catcaagccc tctggcacca ccatctctgt cactgctagc gtcaccattg ccctgggtccc 1260
accagaccag cctgaggtcc agctgtccag catgactatg gacgcccgtc tcagcgccaa 1320
gatggctctc cgggggaagg ccctgcgcac gcagctggac ctgcgcaggt tccgaatcta 1380
ttccaacctat tctgcactgg agtcgctggc tctgatccca ttacaggccc ctctgaagac 1440
catgctgcag attgggggtga tgcccatgct caatgagcgg acctggcgtg ggggtgcagat 1500
cccactacct gagggcatca actttgtgca tgaggtgggtg acgaaccatg cgggattcct 1560
caccatcggg gctgatttcc actttgccaa agggctgcga gaggtgattg agaagaaccg 1620
gcctgctgat gtcagggcgt ccactgcccc cacaccgtcc acagcagctg tctgagccct 1680
caatccccaa gctggcagct gtca 1704

```

<210> 30

<211> 2388

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7513020CB1

<400> 30

```

agatggcggc gcccgggatc ctgtgtagcg gctgcagagg gtgccgcgc cctaggcgaa 60
gtagggccgt cctgagcgaa agaaccgccc ccagcaggag caccaccacg gtttagcaaa 120
gaatcccaga ccccgcccgg gaaggcagcc gcaccatgga gtcttccagt tcatctaact 180
cttatttctc cgttggccca accagtccca gcgctgtcgt gctcctctac tcgctttcca 240
aggaatccct tcaatctgtg gatgtcctcc gagaggaagt gagtgagatc ttagatgaaa 300
tgagtcacaa actgcgtctt ggagccattc ggttttgtgc cttcacccctg agcaaagtat 360
ttaaacaaat tttctcgaag gtgtgtgtaa atgaagaagg tattcagaaa ctacaaagag 420
ccatccagga gcatectgtt gttctgctgc ctagtcatcg aagttacatt gacttcctca 480
tgttgtcttt tcttctatac aattatgatt tgctgtgcc agttatagca gcaggaatgg 540
acttcctggg aatgaaaatg gttgggtgagc tgctacgaat gtcgggtgcc tttttcatgc 600
ggcgtacctt tgggtggcaat aaactctact gggctgtatt ctctgaatat gtaaaaacta 660
tgttacggaa tgggttatgct cctgttgaat ttttcctcga agggacaaga agccgctctg 720
ccaagacatt gactcctaaa tttgggtcttc tgaatattgt gatggagcca ttttttaaaa 780
gagaagtttt tgatacctac cttgtcccaa ttagtatcag ttatgataag atcttggaag 840
aaactcttta tgtgtatgag cttctagggg ttcctaaacc aaaagagtct acaactgggt 900
tgctgaaagc cagaaagatt ctctctgaaa attttggaag catccatgtg tactttggag 960
atcctgtgtc acttcgatct ttggcagctg ggaggatgag tcggagctca tataacttgg 1020
ttccaagata catcctcag aaacagtctg aggacatgca tgcctttgtc actgaagtgt 1080
cctacaaaat ggagcttctg caaattgaaa acatggtttt gagcccctgg accctaatag 1140
ttgctgttct gcttcagaac cggccatcca tggactttga tgctctgggtg gaaaagactt 1200
tatggctaaa aggtttaacc caggcatttg gagggtttct catttggcct gataataaac 1260
ctgctgaaga agttgtcccg gccagcattc ttctgcattc caacattgcc agccttgtca 1320
aagaccaggt gattctgaaa gtggactccg gagactcgga agtggtcgat gggcttatgc 1380
tccagcacat cactctcctc atgtgctcag ctataggaa ccagctgctc aacatttttg 1440
tgcgcccatc cttagtagca gtagcattgc agatgacacc agggttcagg aaagaggatg 1500
tctacagttg ctttcgcttc ctacgtgatg tttttgcaga tgagttcatc ttccttccag 1560
gaaacacact aaaggacttt gaagaaggct gttacctgct ttgtaaaagt gaagccatac 1620
aagtgactac gaaagacatc ctagttagag agaaaggaaa tactgtgtta gaatttttag 1680
taggactctt taaacctttt gtggaaagct atcagataat ttgcaagtac cttttgagtg 1740
aagaagagga ccacttcagt gaggaacagt acttggctgc agtcagaaaa ttcacaagtc 1800
agcttctcga tcaaggatcc tctcaatgtt atgatgtatt atcttctgat gtgcagaaaa 1860
acgccttagc agcctgtgtg aggcctcgag tagtgagaa gaagaagata aataataact 1920
gtatatattaa tgtgaatgaa cctgccacaa ccaaattaga agaaatgctt ggttgtaaga 1980
caccaatagg aaaaccagcc actgcaaaac tttaataatc aacaaatagt tatggaaaat 2040
tcggtcacgt aattactctc atcgaaggac tcattacaac aaacagggaa gtaaaggag 2100
agacacatcc tctcatactc cctgagactc tgagaacagt ggacgcagag ggaagagatg 2160
atcattggaa gcaatcagtt tactcttccc caccacagtg gttaaaaggc gtttgtatct 2220
gacactatgt gtgtgtttta aaataaactt ttggaaacat gtttggaaaa gcaaagctca 2280
gctcatttca ctaacacttt tcagcttact atatgtatta aacttttatg ttgacttttg 2340
aattaaagta tgacaacact gaaagctctg gatattaaaa gaaaatga 2388

```

<210> 31
<211> 4508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7513162CB1

<400> 31
attcttggcat ggggctgcgg ccaggcattt tcctcctgga gctgctgctg cttctggggc 60
aaggggacccc tcagatccat acctctccta gaaagagtac attggaaggg cagctatggc 120
cagagaccct gaagaattct ccattcccat gcaatccaaa taaattagga gtgaatatgc 180
cttctaaatc agttcactct ctgaagcctt ctgatattaa atttgtggca gccattggca 240
atctggaaat tcctccagac ccagggacgg gcgatctgga gaagcaagac tggactgaaa 300
ggccacagca ggtgtgcatg ggagtgatga cagtcctttc agacatcatc agatatttca 360
gtcctttctgt tccaatgcct gtgtgccaca ctggaaagag agtcataccc cacgatgggtg 420
ctgaagactt gtggattcag gctcaagaac tgggtgagaaa catgaaagag aacctgcaac 480
ttgactttca atttgactgg aagctcatca atgtgttctt cagtaatgca agccagtgtt 540
acctgtgccc ctctgctcaa cagaatgggc ttgcggcggg cggcgtggat gagctgatgg 600
gggtgctgga ctacctgcag caggagggtcc ccagagcatt tgtaaacctg gtggacctct 660
ctgaggttgc agaggtctct cgtcagtatc acggcacttg gctcagccct gcaccagagc 720
cctgtaattg ctccagaggag accacccggc tggccaaggt ggtgatgcag tggctcttatc 780
aggaagcctg gaacagcctc ctggcctcca gcaggtacag tgagcaggag tccttcaccg 840
tggttttcca gcctttcttc tatgagacca ccccatctct acactcggag gacccccgac 900
tccaggattc taccacgctg gcctggcatc tctggaatag gatgatggag ccagcaggag 960
agaaagatga gccattgagt gtaaaacacg ggaggccaat gaagtgtccc tctcaggaga 1020
gcccctatct gttcagctac agaaacagca actacctgac cagactgcag aaaccccaag 1080
acaagcttga ggtaagagaa ggagcggaaa tcagatgtcc tgacaaagac ccctccgata 1140
cggttcccac ctccagttcat aggctgaagc cggctgacat caacgtaatt ggagccctgg 1200
gtgactctct cacggcaggc aatggggccg ggtccacacc tgggaacgtc ttggacgtct 1260
tgactcagta ccgaggcctg tcctggagcg tcggcggaga tgagaacatc ggcaccgtta 1320
ccaccctggc gaacatcctc cgggaattca acccttcctt gaagggcttc tctgtcggca 1380
ctgggaaaga aaccagtcct aatgccttct taaaccaggc tgtggcagga ggccgagctg 1440
aggatctacc tgtccaggcc aggaggctgg tggacctgat gaagaatgac acgaggatac 1500
actttcagga agactggaag ataataacct tgtttatagg cggcaatgac ctctgtgatt 1560
tctgcaatga tctgggtccac tattctcccc agaacttcac agacaacatt ggaaaggccc 1620
tggacatcct ccatgctgag gttcctcggg catttgtgaa cctggtgacg gtgcttgaga 1680
tcgtcaacct gagggagctg taccaggaga aaaaagtcta ctgcccagg atgatcctca 1740
ggtctctgtg tccttgtgtc ctgaagtttg atgataactc aacagaactt gctaccctca 1800
tcgaattcaa caagaagttt caggagaaga cccaccaact gattgagagt gggcgatatg 1860
acacaaggga agattttact gtggttgtgc agccgttctt tgaaaacgtg gacatgccaa 1920
agacctcgga aggattgcct gacaactctt tcttcgctcc tgactgtttc cacttcagca 1980
gcaagtctca ctcccagca gccagtgtc tctggaacaa tatgctggag cctgttggcc 2040
agaagacgac tcgtcataag tttgaaaaca agatcaatat cacatgtccg aaccagggtcc 2100
agccgtttct gaggacctac aagaacagca tgcagggtca tgggacctgg ctgccatgca 2160
gggacagagc cccttctgcc ttgcacccta cctcagtga tgccctgaga cctgcagaca 2220
tccaagttgt ggctgctctg ggggattctc tgaccgctgg caatggaatt ggctccaaac 2280
cagacgacct ccccgatgtc accacacagt atcggggact gtcatacagt gcaggagggg 2340
acggctccct ggagaatgtg accaccttac ctaatatcct tcgggagttt aacagaaacc 2400
tcacaggcta cgccgtgggc acgggtgatg ccaatgacac gaatgcattc ctcaatcaag 2460
ctgttcccgg agcaaaggct gaggatctta tgagccaagt ccaaactctg atgcagaaga 2520
tgaaagatga tcatagagta aatttccatg aagactggaa ggtcatcaca gtgctgatcg 2580
gaggcagcga tttatgtgac tactgcacag attcgaatct gtattctgca gccaaactttg 2640
ttgaccatct ccgcaatgcc ttggacgtcc tgcatagaga ggtgcccaga gtcctggtca 2700
acctcgtgga ctctctgaac cccactatca tgccggcagg gtctcctggga aaccagaca 2760
agtgccagct gcagcaggcc agcgttttgt gtaactgcgt tctgacctg cgggagaact 2820
cccaagagct agccaggctg gaggccttca gccgagccta ccggagcagc atgcgcgagc 2880
tgggtggggtc aggccgctat gacacgcagg aggacttctc tgtggtgctg cagcccttct 2940
tccagaacat ccagctccct gtcctggcgg atgggctccc agatacgtcc ttctttgccc 3000
cagactgcat ccacccaaat cagaaattcc actcccagct ggccagagcc ctttggacca 3060
atatgcttga accacttggga agcaaaacag agaccctgga cctgagagca gagatgccc 3120
tcacctgtcc cactcagaat gagcccttcc tgagaacccc tcggaatagt aactacacgt 3180


```

accccatcaa gccagccatt gagaactggg gcagtgactt cctgtgtaca gagtggaagg 3240
cttccaatag tgttccaacc tctgtccacc agctccgacc agcagacatc aaagtgggtg 3300
ccgccctggg tgactctctg actacagcag tgggagctcg accaaacaac tccagtgacc 3360
taccacacatc ttggaggggga ctctcttggg gcattggagg ggatgggaac ttggagactc 3420
acaccacact gcccaacatt ctgaagaagt tcaaccctta cctccttggc ttctctacca 3480
gcacctggga ggggacagca ggactaaatg tggcagcgga agggggccaga gctagggaca 3540
tgccagccca ggcctgggac ctggtagagc gaatgaaaaa cagccccgac atcaacctgg 3600
agaaagactg gaagctggtc acactcttca ttgggggtcaa cgacttgtgt cattactgtg 3660
agaatccgga ggcccacttg gccacggaat atgttcagca catccaacag gccctggaca 3720
tcctctctga ggagctccca agggcttttcg tcaacgtggt ggaggtcatg gagctggcta 3780
gcctgtacca gggccaaggc gggaaatgtg ccatgctggc agctcagaac aactgcactt 3840
gcctcagaca ctcgcaaagc tccctggaga agcaagaact gaagaaagtg aactggaacc 3900
tccagcatgg catctccagt ttctctact ggcaccaata cacacagcgt gaggactttg 3960
cggttgtggt gcagcctttc ttccaaaaca cactcacccc actgaacgag agaggggaca 4020
ctgacctcac cttcttctcc gaggactgtt ttactttctc agaccgctgg catgccgaga 4080
tggccatcgc actctggaac aacatggaga gcccttacct ctacaccctg cggaacagcc 4140
gattgctccc agaccaggct gaagaagccc ccgaggtgct ctactgggct gtcccagtgg 4200
cagcgggagt cggccttgtg gtgggcatca tcgggacagt ggtctggagg tgcaggagag 4260
gtggccggag ggaagatcct ccaatgagcc tgcgcactgt ggccctctag gcccgggggt 4320
gggtcctcac cctaaactcc ctatagccac tctcttcacc gccctctgcc ccagccactc 4380
ccggccacca ggacatgctt caatgcctgg tgccatagga agcccagggg acagtcacaa 4440
cttcttgggg cctgggcttc ttccaggcct atgctcctgg aatggatata tttaaataaa 4500
gtccaaag 4508

```

<210> 32

<211> 4512

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7513164CB1

<400> 32

```

attctggcat ggggctgcgg ccaggcattt tcctcctgga gctgctgctg cttctggggc 60
aagggaaccc tcagatccat acctctccta gaaagagtac attggaaggg cagctatggc 120
cagagaccct gaagaattct ccattcccat gcaatccaaa taaattagga gtgaatatgc 180
cttctaaatc agttcactct ctgaagcctt ctgatattaa atttgtggca gccattggca 240
atctggaaat tcctccagac ccagggacgg gcgatctgga gaagcaagac tggactgaaa 300
ggccacagca ggtgtgcatg ggagtgatga cagtcctttc agacatcatc agatatttca 360
gtccttctgt tccaatgcct gtgtgccaca ctggaaagag agtcataccc cacgatgggtg 420
ctgaagactt gtggattcag gctcaagaac tggtgagaaa catgaaagag aacctgcaac 480
ttgactttca atttgactgg aagctcatca atgtgttctt cagtaatgca agccagtgtt 540
acctgtgccc ctctgctcaa cagaatgggc ttgcggcggg cggcgtggat gagctgatgg 600
gggtgctgga ctacctgcag caggaggtcc ccagagcatt tgtaaacctg gtggacctct 660
ctgaggttgc agaggtctct cgtcagtatc acggcacttg gctcagccct gcaccagagc 720
cctgtaattg ctcagaggag accaccggc tggccaaggt ggtgatgcag tggctttatc 780
aggaagcctg gaacagcctc ctggcctcca gcaggtacag tgagcaggag tccttcaccg 840
tgggtttcca gcctttcttc tatgagacca ccccatctct aactcggag gacccccgac 900
tccaggattc taccacgctg gcctggcatc tctggaatag gatgatggag ccagcaggag 960
agaaagatga gccattgagt gtaaaacacg ggaggccaat gaagtgtccc tctcaggaga 1020
gccctatct gttcagctac agaaacagca actacctgac cagactgcag aaacccaag 1080
acaagcttga ggtaagagaa ggagcggaaa tcagatgtcc tgacaaagac ccctccgata 1140
cggttcccac ctcaagtcat aggctgaagc cggctgacat caacgtaatt ggagccctgg 1200
gtgactctct cacggcaggc aatggggccg ggtccacacc tgggaacgtc ttggacgtct 1260
tgactcagta ccgaggcctg tcctggagcg tcggcggaga tgagaacatc ggcaccgtta 1320
ccaccctggc gaacatcctc cgggaattca acccttccct gaagggttc tctgtcggca 1380
ctgggaaaga aaccagtcct aatgccttct taaaccaggc tgtggcagga ggccgagctg 1440
aggatctacc tgtccaggcc aggaggctgg tggacctgat gaagaatgac acgaggatac 1500
actttcagga agactggaag ataataaccc tgtttatagg cggcaatgac ctctgtgatt 1560
tctgcaatga tctgggtccac tatttctccc agaacttcac agacaacatt ggaaaggccc 1620
tggacatcct ccattgctgag gtccctcggg catttgtgaa cctgggtgacg gtgcttgaga 1680
tcgtcaacct gagggagctg taccaggaga aaaaagtcta ctgccaagg atgacctca 1740

```

```

gggtctctgtg tccctgtgtc ctgaagtttg atgataactc aacagaactt gctaccctca 1800
tcgaattcaa caagaagttt caggagaaga cccaccaact gattgagagt gggcgatatg 1860
acacaaggga agattttact gtggttgtgc agccgttctt tgaaaacgtg gacatgccaa 1920
agacctcgga aggattgcct gacaactctt tcttcgctcc tgactgtttc cacttcagca 1980
gcaagtctca ctcccagca gccagtgtc tctggaacaa tatgctggag cctgttggcc 2040
agaagacgac tcgtcataag tttgaaaaca agatcaatat cacatgtccg aaccaggtcc 2100
agccgtttct gaggacctac aagaacagca tgcaggggtca tgggacctgg ctgccatgca 2160
gggacagagc cccttctgcc ttgcacccta cctcagtgtc tgccctgaga cctgcagaca 2220
tccaagtgtt ggctgctctg ggggattctc tgaccgctgg caatggaatt ggctccaaac 2280
cagacgacct ccccgatgtc accacacagt atcggggact gtcatacagt gcaggagggg 2340
acggctccct ggagaatgtg accaccttac ctaatatcct tcgggagttt aacagaaacc 2400
tcacaggcta cgccgtgggc acgggtgatg ccaatgacac gaatgcattc ctcaatcaag 2460
ctgttcccgg agcaaaggct gaggatctta tgagccaagt ccaaactctg atgcagaaga 2520
tgaaagatga tcatagagta aatttccatg aagactggaa ggtcatcaca gtgctgatcg 2580
gaggcagcga tttatgtgac tactgcacag attcgaatct gtattctgca gccaaactttg 2640
ttcaccatct ccgcaatgcc ttggacgtcc tgcatagaga ggtgcccaga gtcctgggtca 2700
acctcgtgga cttcctgaac ccactatca tgccggcaggt gttcctggga aaccagaca 2760
agtgccaggt gcagcaggcc agagcagcat gcgcgagctg gtgggggtcag gccgctatga 2820
cacgcaggag gacttctctg tggtgctgca gcccttcttc cagaacatcc agctccctgt 2880
cctggcggat gggctcccag atacgtcctt ctttgcccca gactgcatcc acccaaata 2940
gaaattccac tcccagctgg ccagagccct ttggaccaat atgcttgaac cacttggaag 3000
caaaacagag accctggacc tgagagcaga gatgcccatc acctgtccca ctcagaatga 3060
gcccttctctg agaaccctc ggaatagtaa ctacacgtac cccatcaagc cagccattga 3120
gaactggggc agtgacttcc tgtgtacaga gtggaaggct tccaatagtg ttccaacctc 3180
tgtccaccag ctccgaccag cagacatcaa agtgggtggc gccctgggtg actctctgac 3240
tacagcagtg ggagctcgac caaacaactc cagtgcacta cccacatctt ggaggggact 3300
ctcttggagc attggagggg atgggaactt ggagactcac accacactgc ccaacattct 3360
gaagaagttc aacccttacc tccttggctt ctctaccagc acctgggagg ggacagcagg 3420
actaaatgtg gcagcggaag gggccagagc tagggacatg ccagcccagg cctgggacct 3480
ggtagagcga atgaaaaaca gccccgacat caacctggag aaagactgga agctggtcac 3540
actcttcatt ggggtcaacg acttgtgtca ttactgtgag aatccggagg cccacttggc 3600
cacggaatat gttcagcaca tccaacaggc cctggacatc ctctctgagg agctcccaag 3660
ggctttcgtc aacgtgggtg aggtcatgga gctggctagc ctgtaccagg gccaaaggcg 3720
gaaatgtgcc atgctggcag ctcagaacaa ctgcaacttg ctcagacact cgcaaagctc 3780
cctggagaag caagaactga agaaagtga ctggaacctc cagcatggca tctccagttt 3840
ctcctactgg caccaataca cacagcgtga ggactttgcg gttgtggtgc agcctttctt 3900
ccaaaacaca ctcacccac tgaacgaggt gagctgcaga gaggggacac tgacctcacc 3960
ttcttctccg aggactgttt tcaacttctc gaccgcgggc atgccgagat ggccatcgca 4020
ctctggaaca acatgctgga accagtgggc cgcaagacta cctccaacaa cttcaccac 4080
agccgagcca aactcaagtg cccctctcct gagagccctt acctctacac cctgcggaac 4140
agccgactgc tcccagacca ggctgaagaa gcccccgagg tgctctactg ggctgtcca 4200
gtggcagcgg gagtcggcct tgtggtgggc atcatcgga cagtgggtctg gaggtgcagg 4260
agaggtggcc ggagggaaga tcctccaatg agcctgcgca ctgtggccct ctagggcccg 4320
gggtgggtcc tcaccctaaa ctccctatag ccactctctt caccgcctc tgccccagcc 4380
actcccggcc accaggacat gcttcaatgc ctggtgccat aggaagccca ggggacagtc 4440
acaacttctt ggggcctggg cttcttccag gcctatgctc ctggaatgga tacatttaaa 4500
taaagtccaa ag 4512

```

<210> 33

<211> 1511

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7513496CB1

<400> 33

```

atgagctgct gggaagttgt gactttcact ttccctttcg aattcctcgg tatatcttgg 60
ggactggagg acctgtctgg ttattataca gacgcataac tggaggtggg atccacacag 120
ctcagaacag ctggatcttg ctcagtctct gccaggggaa gattccttgg aggaggccct 180
gcagcgacat ggaggagct gctttgctga gagtctctgt cctctgcac tggtgcaac 240
aaaacgttcc aagtgggaca gatactggag atcctcaaag taagccctc ggtgactggg 300

```

```

ctgctggcac catggaccca gagagcagta tctttattga ggatgccatt aagtatttca 360
aggaaaaagt gagcacacag aatctgctac tcctgctgac tgataatgag gcctggaacg 420
gattcgtggc tgctgctgaa ctgcccagga atgaggcaga tgagctccgt aaagctctgg 480
acaaccttgc aagacaaatg atcatgaaag acaaaaactg gcacgataaa ggccagcagt 540
acagaaactg gtttctgaaa gagtttcctc ggttgaaaag taagcttgag gataacataa 600
gaaggctccg tggccttgca gatgggggttc agaagggtcca caaaggcacc accatcgcca 660
atgtgggtgct tggctctctc agcatttcct ctggcatcct gaccctcgtc ggcatgggtc 720
tggcaccctt cacagaggga ggcagccttg tactcttgga acctgggatg gagttgggaa 780
tcacagcagc tttgaccggg attaccagca gtaccataga ctacggaaag aagtgggtgga 840
cacaagccca agcccacgac ctgggtcatca aaagccttga caaattgaag gaggtgaagg 900
agtttttggg tgagaacata tccaactttc tttccttagc tggcaatact taccaactca 960
cacgaggcat tgggaaggac atccgtgccc tcagacgagc cagagccaat cttcagtcag 1020
taccgcatgc ctcagcctca cgccccggg tctctgagcc aatctcagct gaaagcgggtg 1080
aacagggtgga gagagttaat gaaccagca tcctggaaat gagcagagga gtcaagctca 1140
cggatgtggc ccctgtaagc ttctttcttg tgctggatgt agtctacctc gtgtacgaat 1200
caaagcactt acatgagggg gcaaagtcag agacagctga ggagctgaag aaggtggctc 1260
aggagctgga ggagaagcta aacattctca acaataatta taagattctg caggcggacc 1320
aagaactgtg accacagggc agggcagcca ccaggagaga tatgcctggc agggggccagg 1380
acaaaatgca aacttttttt tttttctgag acagagtctt gctctgtcgc caagttggag 1440
tgagccgaga tctcgccact gcactccagc ctgggtgaca gagcgagact ccatctcaaa 1500
aaaaaaaaa a 1511

```

<210> 34
<211> 709
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7514724CB1

```

<400> 34
tagagtctgt catctgaacc atgaggatct ggtggcttct gcttgccatt gaaatctgca 60
cagggaaacat aaactcacag gacacctgca ggcaagggca ccctggaatc cctgggaacc 120
ccggtcacaa tgttctgcct ggaagagatg gacgagacgg agcgaagggt gacaaaggcg 180
atgcaggaga accaggggtgt cctggcagcc cggggaagga tgggacgagt ggagagaagg 240
gagaacgagg agcagatgga aaagttgaag caaaaggcat caaagggaatg ttcaggtgtc 300
tttgggtcaaa aacggagtaa aaatactgca caccagagat gcttacgtga gctctgagga 360
ccaggcctct ggcagcattg tcctgcagct gaagctcggg gatgagatgt ggctgcaggt 420
gacaggagga gagaggttca atggcttggt tgctgatgag gacgatgaca caactttcac 480
agggttcctt ctgttcagca gccagtgaca gaggagagtt tataaatctg ccagaccatc 540
catcagaatc agcttgggat gaacttatcc agatggtttt actttattaa ttcctccaat 600
tattacaata atcataaaaa ggtgaaaatg gaaaagttat tcccaaaact gattctgtgt 660
aacttactat ttttccagga gtaaataattt aaaatagcaa aaaaaaaaaa 709

```

<210> 35
<211> 969
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7514797CB1

```

<400> 35
tacgttactc cgtccgaacg cagtagacga aggcggcggc gatggcggcg gggatagtgg 60
cttctcgcag actccgcgac ctactgacct ggcgactgac aggctccaac taccggggac 120
tcagtattag ccttcgcctc actggctcct ctgcacaaga ggcggcttcc ggagtagccc 180
tcggtgaagc cccagaccac agctatgagt cccttcgtgt gacgtctgcg cagaaacatg 240
ttctgcatgt ccagctcaac cggcccaaca agaggaatgc catgaacaag gtcttctgga 300
gagagatggg agagtgtctc aacaagatct cgagagacgc tgactgtcgg gcggtgggtga 360
tctctgggtg aggaaaaatg ttcactgcag gtattgacct gatggacatg gcttcggaca 420
tcctgcagcc caaaggagat gatgtggccc ggatcagctg gtacctccgt gacatcatca 480

```



```

ctcgatacca ggagaccttc aacgtcatcg agaggtgccc caagcccgtg attgctgccg 540
tccatggggg ctgcattggc ggaggtgtgg accttgtcac cgcctgtgac atccggtact 600
gtgcccagga tgctttcttc caggtgaagg aggtggacgt gggtttggct gccgatgtag 660
gaacactgca gcgcctgccc aaggtcatcg ggaaccagag ccgggtgttc ccagacaaag 720
aggtcatgct ggatgctgcc ttagcgctgg cggccgagat ttccagcaag agccccgtgg 780
cgggtgcagag caccaaggtc aacctgctgt attcccgcga ccattcgggtg gccgagagcc 840
tcaactacgt ggcgtcctgg aacatgagca tgctgcagac ccaagacctc gtgaagtcgg 900
tccaggccac gactgagaac aaggaactga aaaccgtcac cttctccaag ctctgagagc 960
cctcgcgta 969

```

<210> 36

<211> 1102

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7512100CB1

<400> 36

```

agacgagctc ggatcactta tacggcgcag tgtgctggaa tcgcccttag gcgaaaagct 60
gcggttaagg agagtccggt ttaaccgtca ccgggaagcg cgctcgttcg ggatcgccga 120
gtgggctgag atagtgaatt cctaagaaga aaataatgga ttgcatatta gttgttctct 180
aagtggactc aacagtgtgc aagcttggtg gaaaagccaa aagaagatgg caactcctta 240
tgtcccagtt cctatgccca taggaaactc tgcttccagt tttacaacaa acagaaatca 300
aagaagttct tcttttggca gtgtctcaac aagctcaaatt tcttctaagg gccagttaga 360
agactcaaatt atgggtacag cttcttccat tgagtattct actagaccaa gagacactga 420
agaacaaaat ccggaaacag tgaattggga agatagacca tctacaccta ctatactggg 480
ttatgaagtg atggaagaaa gagctaaatt tactgtatat aaaatactag taaagaaaac 540
cccagaagaa agctgggtag ttttcagaag atacactgac ttctctaggc ttaatgacaa 600
attaaaagag atgtttccag gttttcgact agcacttcct ccaaaacgct ggtttaaaga 660
taattacaatt gctgactttt tagaagacag acaattagga ttacaagcgt ttcttcaaaa 720
tttagtagct cacaaggaca ttgctaactg gcattctgtg aaactttaga agagacaaac 780
taccgcttac agaaagaact acttgaaaaa caaaaggaga tggaatcact aaagaaactg 840
ctcagtgaga agcaacttca tatagacact ttagagaaca gaatcagaac attgtcttta 900
gaacctgaag aatcactgga tgtgtcagaa acagaagggtg aacagatcct aaagggtggag 960
tcctctgcac ttgaggttga tcaagatgtc ctggatgaag aatctagagc tgataataaa 1020
ccatgcttaa gtttttagtga acctgaaaat gctgtatcag agatagaagt agcagaagtg 1080
gcatatgatg ctgaagaaga ta 1102

```

<210> 37

<211> 1143

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7512101CB1

<400> 37

```

aggcgaaaag ctgcggttaa ggagagtccg gtttaaccgt caccgggaag cgcgctcggt 60
cgggatcgcc gagtgggctg agatagtga ttcctaagaa gaaaataacg gattgcatat 120
tagttgttct ctaagtggac tcaacagtgt gcaagcttgt tggaaaagcc aaaagaagat 180
ggcaactcct tatgtcccag ttcctatgcc cataggaaac tctgcttcca gttttacaac 240
aaacagaaat caaagaagtt cttcttttgg cagtgtctca acaagctcaa attcttctaa 300
gggccagtta gaagactcaa atatgggtaa ttttaaacag acaagtgttc ctgatcaaat 360
ggataatact tcatctgtct gtagcagtcc cctcattagg actaaattta caggtacagc 420
ttcttccatt gagtattcta ctagaccaag agacactgaa gaacaaaatc cggaaacagt 480
gaattgggaa gatagaccat ctacacctac tatactgggt tatgaagtga tggaagaaag 540
agctaaattt actgtatata aaatactagt aaagaaaacc ccagaagaaa gctgggtagt 600
tttcagaaga tacactgact tctctaggct taatgacaaa ttaaaagaga tgtttccagg 660
ttttcgacta gcacttcctc caaaacgctg gtttaaagat aattacaatg ctgacttttt 720
agaagacaga caattaggat tacaagcggt tcttcaaaat ttagtagctc acaaggacat 780

```

```

tgctaactgg cattctgtga aacttttagaa gagacaaact accgcttaca gaaagaacta 840
cttgaaaaac aaaaggagat ggaatcacta aagaaactgc tcagtggaga gcaacttcat 900
atagacactt tagagaacag aatcagaaca ttgtcttttag aacctgaaga atcactggat 960
gtgtcagaaa cagaagggtga acagatccta aagggtggagt cctctgcact tgagggttgat 1020
caagatgtcc tggatgaaga atctagagct gataataaac catgcttaag ttttagtgaa 1080
cctgaaaatg ctgtatcaga gatagaagtg gcagaagtgg catatgatgc tgaagaagac 1140
taa 1143

```

<210> 38
 <211> 1329
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7516771CB1

```

<400> 38
tagctggcac tgcgactcga gacagcggcc cggcaggaca gctccagaat gaaaatgcgg 60
ttcttggggg tgggtggtctg tttgggttctc tggaccctgc attctgaggg gtctagaggg 120
aaactgacag ctgtggatcc tgaacaaac atgaatgtga gtgaaattat ctcttactgg 180
ggattcccta gtgaggaata cctagttgag acagaagatg gatataattct gtgccttaac 240
cgaattcctc atgggaggaa gaaccattct gacaaagggg aagggtgcagt gccctggaat 300
atgaagaaag tgagcatgag tcttgatatg ctcccaggtc ccaaaccagt tgtcttcctg 360
caacatggct tgctggcaga ttctagtaac tgggtcacia accttgccaa cagcagcctg 420
ggcttcattc ttgctgatgc tggttttgac gtgtggatgg gcaacagcag aggaaatacc 480
tggctctcga aacataagac actctcagtt tctcaggatg aattctgggc tttcagttat 540
gatgagatgg caaaatatga cctaccagct tccattaact tcattctgaa taaaactggc 600
caagaacaag tgtattatgt gggtcattct caaggcacca ctataggttt tatagcattt 660
tcacagatcc ctgagctggc taaaaggatt aaaatgtttt ttgccctggg tcctgtggct 720
tccgtcgcct tctgtactag ccctatggcc aaattaggac gattaccaga tcatctcatt 780
aaggacttat ttggagacaa agaatttctt ccccagagtg cgtttttgaa gtggctgggt 840
accacgttt gcactcatgt catactgaag gagctctgtg gaaatctctg ttttcttctg 900
tgtggattta atgagagaaa tttaaatatg tctagagtgg atgtatatac aacacattct 960
cctgctggaa cttctgtgca aaacatgtta cactggagcc aggctgttaa attccaaaag 1020
tttcaagcct ttgactgggg aagcagtgcc aagaattatt ttcattacaa ccagagttat 1080
cctcccatat acaatgtgaa ggacatgctt gtgccgactg cagtctggag cgggggtcac 1140
gactggcttg cagatgtcta cgacgtcaat atcttactga ctcagatcac caacttgggt 1200
ttccatgaga gcattccgga atgggagcat cttgacttca tttggggcct ggatgcccct 1260
tggaggcttt ataataaaat tattaatcta atgaggaaat atcagtgaat gctggacttg 1320
agctgtgta 1329

```

<210> 39
 <211> 2249
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7512128CB1

```

<400> 39
gcttgtgtgt cacagccttg tagccgggag tgcctgccga gtgggcgctc agtttttcggg 60
tcgtcatggc tggctacgaa tacgtgagcc cggagcagct ggctggcttt gataagtaca 120
ggtacagtgc tgtggatacc aatccacttt ctctgtatgt catgcatcca ttctggaaca 180
ctatagtaaa ggtattttct acttggctgg cgcccaatct gataactttt tctggctttc 240
tgctggctcg attcaatttt ctgctaattg catactttga tcctgacttt tatgcctcag 300
caccaggcca caagcacgtg cctgactggg tttggattgt agtgggcata ctcaacttcg 360
tagcctacac gctagatggg gtggacggaa agcaagctcg cagaaccaat tctagcactc 420
ccttagggga gctttttgat catggcctgg atagtgtggt atgtgtttac tttgttgtga 480
ctgttttatt catcttttga agaggatcaa ctgggtgtcg tgtttttgtt ctgtatctcc 540
tgctatgggt agttttgttt tctttcatcc tgtcccactg gggaaagtat aacacaggga 600
ttcttttctt gccatgggga tatgacatta gccagggtgac tatttctttt gtctacatag 660

```

```

tgactgcagt tgtgggagtt gaggcctggt atgaaccttt cctgtttaat ttcttatata_720
gagacctatt cactgcaatg attattggtt gtgcattatg tgtgactctt ccaatgagtt 780
tattaaactt tttcaggtaa agcagctgag cagccatttt cagatttacc ccttctcatt 840
gaggaaacca aactcagatt gactaggaat ggaagaaaag aatattggcc tgaataatc 900
tttctttggg cacaaagaag tactgtaaat aaatgcttgt aaatatattcc tccatcacca 960
ttgaactaga ctgatctgct tgacagacgt gggatctcag tatgggtactt ggacagcagg 1020
aatgatacat ataactctgaa cttgggaaat tttggaccta ctaactctaa gcctatttta 1080
ttttttataa aactatgtga catttttggt gagcagaatg tacgttagac cagcaaaatg 1140
ttcctaattg ttctaacttc gtgagtttac aatgttgtga ttcatgcagg gttaaagatg 1200
ctttgttttt attttttaag taccaaaatt ggtttcagaa cactgataac actcagaaaa 1260
ccacagtgtg ttttcatatt tggaaacttt taatagcggg agtagcagta gtccaaacct 1320
agtataggga aaggataaaa ataagtcacc ttcaccaaga gatgccaatg attaccaaca 1380
cagacagttg ccaatactgg tttctctttc cctgaaaaat ggcttttggt ctcaaatgat 1440
aagagagcta atacatttag ctaatatctt agctctcttt attatggaac agatcttgat 1500
agatggttta attttctcct aaagagaaat aatcagttga gaatttgaga atgggggtgt 1560
aattattcgg ctcacccatt ggggatgggt cattgtttta atatggcatt ttccccctt 1620
cagctgcagg ttcttgagat ttggtgcctg tgagctctga ttgtaggaat gcatgtgaca 1680
gtcccagccc tatggtaatg acttaggagg aatgcagata aaagtacctt gtaagataaa 1740
tataaattgg agttaggaat ttcatagaac tcactatgac caaattaatt ttttgattca 1800
gtttgtctgt ctgtctgtcc ttccctcttc ttcttttttc aggggtgagg gctgtgtttc 1860
ttatttcata cgagataaaa cagagagaag ttctctcttc tccagcttgt ccatttcccc 1920
acttgaagaa aacttttgat atatatgcct tactgagtac atgccccctt taatgttaat 1980
atgacttgga gtaatttctg aggtttactg acaaacataa aaatcccttt aattgtagtg 2040
tagttgttct ataaaccata ttttttcatg atgtggatat ttcttcttat ttctttgtct 2100
tcattttaatt tgggtgggtg gaactttact tgctgatttt cttttatttt tcactgaatg 2160
aagtttgtgc ttgaatgaag agtgtatctt aaccagggcg aattccagca cctgcggccg 2220
tacaagtgat ccgagctcga ccgctggca
2249

```

<210> 40

<211> 2057

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7518098CB1

<400> 40

```

gcgccgacaa ccagctagcg tgcaaggcgc cgcggctcag cgcgtaccgg cgggcttcga 60
aaccgcagtc ctccggcgac cccgaactcc gctccggagc ctcagccccc tggaaagtga 120
tcccggcatc cgagagccaa gatgccggcc cacttgctgc aggacgatat ctctagctcc 180
tataccacca ccaccaccat tacagcgctt cctccagggt tcctgcagaa tggaggagat 240
aagttggaga cgatgccccct ctacttgga gacgacattc gccctgatat aaaagatgat 300
atatatgacc ccacctacaa ggataaggaa ggcccaagcc ccaagggttg atatgtctgg 360
agaaacatca tccttatgtc tctgctacac ttgggagccc tgtatgggat cactttgatt 420
cctacctgca agttctacac ctggctttgg ggggtattct actattttgt cagtgccttg 480
ggcataacag caggagctca tctgtctgtg agccaccgct cttacaaagc tcggctgccc 540
ctacggctct ttctgatcat tgccaacaca atggcattcc agtcacctca agttccagtt 600
cagtccttaa gtccataaag catgaagaga cttctgagtc ttggaaaagg gaactggaag 660
ataattggaa aatactcctg atgtgtagga atatttttga tcctaagggtc cctgtgttgt 720
cacacaatct ggccgttgtg gctcttcatc ataagggggt ttggcacata agccagagac 780
tgaccttaga ttcttgggca gacactggac aataaattca ctatttaaga atgatgtcta 840
tgaatgggct cgtgaccacc gtgcccacca caagttttca gaaacacatg ctgatcctca 900
taattcccga cgtggctttt tcttctctca cgtgggttgg ctgcttgtgc gcaaaccacc 960
agctgtcaaa gagaagggga gtacgctaga cttgtctgac ctagaagctg agaaactggt 1020
gatgttccag aggaggtact acaaacctgg cttgtctgat atgtgcttca tcctgcccac 1080
gcttgtgccc tgggtatttct ggggtgaaac ttttcaaaac agtgtgttcg ttgccacttt 1140
cttgcgatat gctgtggtgc ttaatgccac ctggctgggt aacagtgtcg ccacctctt 1200
cggatatcgt ccttatgaca agaacattag cccccgggag aatatcctgg tttcacttgg 1260
agctgtgggt gagggcttcc acaactacca ccactccttt ccctatgact actctgccag 1320
tgagtaccgc tggcacatca acttcaccac attcttcatt gattgcatgg ccgccctcgg 1380
tctggcctat gaccggaaga aagtctccaa ggccgccatc ttggccagga ttaaaagaac 1440
cggagatgga aactacaaga gtggctgagt ttgggggtccc tcaggttcct ttttcaaaaa 1500

```



```

ccagccaggc agagggtttta atgtctgttt attaactact gaataatgct accaggatgc 1560
taaagatgat gatgttaacc cattccagta cagtattctt ttaaaattca aaagtattga 1620
aagccaacaa ctctgccttt atgatgctaa gctgatatta tttcttctct tatcctctct 1680
ctcttctagg ccattgtcc tccttttcac tttattgcta tcgccctcct ttcccttatt 1740
gcctcccagg caagcagctg gtcagtcttt gtcagtgtc cagcttccaa agcctagaca 1800
acctttctgt agcctaaaac gaatgggtctt tgctccagat aactctcttt ccttgagctg 1860
ttgtgagctt tgaagtaggt ggcttgagct agagataaaa cagaatcttc tgggtagtcc 1920
ctgttgatta tcttcagcca ggctttgcta gatggaatgg aaaagcactt cattgacaca 1980
agcttctaag caggtaattg tcggggagag agtgtctttt ttgtgcgggg gatgggttgg 2040
ggttgggacc tccgcag 2057

```

<210> 41
 <211> 1329
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7524729CB1

```

<400> 41
taggatgagc aactccgttc ctctgctctg tttctggagc ctctgctatt gctttgctgc 60
ggggagcccc gtaccttttg gtccagaggg acggctggaa gataagctcc acaaacccaa 120
agctacacag actgaggtca aaccatctgt gaggtttaac ctccgcacct ccaaggacct 180
agagcatgaa ggatgctacc tctccgtcgg ccacagccag cccttagaag actgcagttt 240
caacatgaca gctaaaacct ttttcatcat tcacggatgg acgatgagcg gtatctttga 300
aaactggctg cacaaactcg tgtcagccct gcacacaaga gagaaagacg ccaatgtagt 360
tgtggttgac tggctcccc tggcccacca gctttacacg gatgcggtca ataataccag 420
ggtgggtggga cacagcattg ccaggatgct cgactggctg caggagaagg acgatttttc 480
tctcgggaat gtccacttga tcggctacag cctcggagcg cacgtggccg ggtatgcagg 540
caacttcgtg aaaggaacgg tgggccgaat cacagcaatc acagaggtgg taaaatgtga 600
gcatgagcga gccgtccacc tctttgttga ctctctggtg aatcaggaca agccgagttt 660
tgcttccag tgactgact ccaatcgctt caaaaagggg atctgtctga gctgccgcaa 720
gaaccgttgt aatagcattg gctacaatgc caagaaaatg aggaacaaga ggaacagcaa 780
aatgtacctt aaaaccggg caggcatgcc tttcagagtt taccattatc agatgaaaat 840
ccatgtcttc agttacaaga acatgggaga aattgagccc accttttacg tcacccttta 900
tggcactaat gcagattccc agactctgcc actggaaata gtggagcgga tcgagcagaa 960
tgccaccaac accttcctgg tctacaccga gggggacttg ggagacctct tgaagatcca 1020
gctcacctgg gagggggcct ctcagtcttg gtacaacctg tggaaggagt ttcgcagcta 1080
cctgtctcaa ccccgcaacc ccggacggga gctgaatata aggcgcattc ggtgaagtc 1140
tggggaaacc cagcggaaac tgacattttg tacagaagac cctgagaaca ccagcatatc 1200
cccaggccgg gagctctggt ttcgcaagtg tcgggatggc tggaggatga aaaacgaaac 1260
cagtcccact gtggagcttc cctgagggtg cccgggcaag tcttgccagc aaggcagcaa 1320
gacttccta 1329

```

<210> 42
 <211> 3814
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7520475CB1

```

<400> 42
atcagggaga gcctctctga ggaggggata atgaagacaa ggtctgtaga atgaagagga 60
gcctgatgca ccaagggcag tagaaagaga cttctgagca agaggaactg caagtgcaa 120
ggccctgatg ctagagagag cttgaggggt tgcaggaaaa gagtttttat ggttgtgaac 180
aagaaataga aggaagaaca gagagtggca tgagataaaa tttgaaggat ccagatcgt 240
tcaggacctt ttcggccagg aatcctttgt gtttgaacct aactgcctct tcaaagtgga 300
tgagtttggc ttctttctga catggagaag tgaaggcaag gaaggacagg tgctagaatg 360
ctccctcatc aacagtattc ggtcgggagc cataccaaag gatcccaaaa tcttggtctgc 420
tcttgaagct gttggaaaat cagaaaatga tctggaaggg cggatagttt gtgtctgcag 480

```

tggcacagat	ctagtgaaca	ttagttttac	ctacatgggtg	gctgaaaatc	cagaagtaac	540
taagcaatgg	gtagaaggcc	tgagatcaat	catacacaac	ttcagggcca	acaacgtcag	600
tccaatgaca	tgcctcaaga	aacactggat	gaaattggca	tttatgacca	acacaaatgg	660
taaaattcca	gttaggagta	ttactagaac	atltgcatcg	ggaaaaacag	aaaagggtgat	720
ctttcaagca	ctcaaggagt	taggtcttcc	cagtggaaag	aatgatgaaa	ttgagcccac	780
agcattttct	tatgaaaagt	tctatgaact	gacacaaaag	atltgtcctc	ggacagatat	840
agaagatcct	ttcaaaaaaa	tcaatggaga	caaaactgat	tattttaacgg	tagaccaatt	900
agtgagcttt	ctaaatgaac	atcaacgaga	tcctcgattg	aatgaaattt	tatttccatt	960
ttatgatgcc	aaaagggcaa	tgcagatcat	tgagatgtat	gaacctgatg	aagatttgaa	1020
gaaaaaaggc	cttatatcaa	gtgatgggtt	ttgcagatat	ctgatgtcag	atgaaaacgc	1080
cccagtcttc	ctagatcggt	tagaacttta	ccaagaaatg	gaccatcctc	tggctcacta	1140
cttcatcagt	tcttcccata	acacttatct	cactggcaga	cagttcggcg	ggaagtcttc	1200
ggtagaaatg	tacagacagg	ttctcctggc	tggttgacga	tgtgttgaa	ttgactgctg	1260
ggatggaaaa	ggtgaagacc	aagaaccaat	aataactcat	ggaaaagcaa	tgtgtacaga	1320
tatccttttt	aaggatgtaa	ttcaggccat	caaggaaact	gcatttgtca	catcagaata	1380
tcctgtaatt	ctctcctttg	aaaatcactg	cagcaaatat	caacagtaca	agatgtccaa	1440
atattgcgaa	gatctatttg	gggatctcct	gttgaaacaa	gcacttgaat	cacatccact	1500
tgaaccaggc	agggctttgc	catcccccaa	tgacctcaaa	agaaaaatac	tcataaaaaa	1560
caagcggctg	aaacctgaag	ttgaaaaaaa	acagctggaa	gctttgagaa	gcatgatgga	1620
agctggagaa	tctgcctccc	cagcaaacat	cttagaggac	gataatgaag	aggagatcga	1680
aagtgtctgac	caagaggagg	aagctcaccc	cgaattcaaa	tttggaatg	aactttctgc	1740
tgatgacttg	ggtcacaagg	aagctgttgc	aaatagcgtc	aagaagggcc	tggtcactgt	1800
agaagatgag	caggcgtgga	tggcatctta	taaatatgta	ggtgctacca	ctaatatcca	1860
tccacatttg	tccacaatga	tcaactacgc	ccagcctgta	aagtttcaag	gtttccatgt	1920
ggcagaagaa	cgcaatatcc	attataacat	gtcttctttt	aatgaatcag	tcggtcttgg	1980
ctacttgaag	acacatgcaa	ttgaatttgt	caattataac	aaacggcaaa	tgagtcgcat	2040
ttaccccaag	ggaggccgag	tcgattccag	taattacatg	cctcagattt	tctggaacgc	2100
tggctgccag	atggttttcac	tgaactatca	aaccccagat	ttagcgatgc	aattgaatca	2160
gggaaaattt	gagtataatg	gatcgtgcgg	gtaccttctc	aaaccagatt	tcatgaggcg	2220
gcctgatcga	acatttgacc	ccttctctga	aactcctgtt	gatgggtgta	ttgcagccac	2280
ttgctcagtg	caggttatat	caggtaaat	cttatcagat	aagaaaattg	gcacctacgt	2340
agagggtggat	atgtatgggt	tgcccactga	caccatacgt	aaggaattcc	gaactcgcat	2400
ggttatgaat	aatggactca	atccagttta	caatgaagag	tcatttgtat	ttcgggaagg	2460
gatcctgccg	gacctggctg	tcttgagaat	agctgtgtat	gatgataaca	acaagctgat	2520
tggccagagg	atcctcccgc	ttgatggcct	ccaagccgga	tatcgacaca	tttcccttcg	2580
aaatgagggg	aataaaccat	tatcactacc	aacaattttc	tgcaatatgt	ttcttaaaac	2640
atatgtgcct	gatggatttg	gagatatcgt	ggatgcttta	tcagatccaa	agaaatttct	2700
ctcaattaca	gaaaagagag	cagaccaaat	gagagctatg	ggcattgaaa	ctagtacat	2760
agccgacgtg	cccagtgaca	cttccaaaaa	tgacaagaaa	ggaaaggcca	acaccgcaa	2820
agcaaatgtg	acccttcaga	gtagctctga	gtcagacca	accaccacgg	ctgccctggc	2880
ctctggtgtg	gaagccaaga	aaggatttga	acttatccct	caagtaagga	tagaagactt	2940
aaagcagatg	aaggcttact	tgaagcattt	aaagaaacag	cagaaggagc	taaattcttt	3000
aaagaagaaa	catgcaaagg	aacacagtac	catgcagaag	ttacactgca	cgcaagttga	3060
caaaattgtg	gcacagtatg	acaaagagaa	gtcgactcat	gagaaaatcc	tagagaaggc	3120
aatgaagaag	aaggggggaa	gtaattgtct	cgaaatgaaa	aaagaaacag	aatcaaaaat	3180
tcagacgctg	acatcagatc	acaaatctaa	gggaaagcaa	ggaaatgcga	gcacaccagg	3240
ctaagatttc	tatggaaaat	agcaaagcca	tcagccaaga	taaatctatc	aagaataaag	3300
cagaacggga	aaggcgagtc	agggagttaa	acagcagcaa	cactaaaaag	tttctggaag	3360
aaagaaagag	acttgccatg	aagcagtcca	aagaaatgga	tcagttgaaa	aaagtccagc	3420
ttgaacatct	agaattccta	gagaaacaga	atgagcagct	tttgaaatcc	tgtcatgcag	3480
tgtcccaaac	gcaaggcgaa	ggagatgcag	cagatgggtga	aattggaagc	cgagatggac	3540
cgcagaccag	caacagtagt	atgaaactcc	aaaatgcaaa	ctgaagcagc	aaaccacaaa	3600
agcatcaaaa	gactcactca	caaacttctg	aacacaaact	ccatggatga	aagctgttta	3660
ttttgtttcc	tttatgtgta	aacaagatga	tatctgaaac	cagagagact	tggaatgtct	3720
gactgacttc	tatttaacag	cttgagtatt	gcatttcctt	ggccaaacaa	aatagctaca	3780
aatccacaaa	aataaaccgg	ttccagcaca	ctga			3814